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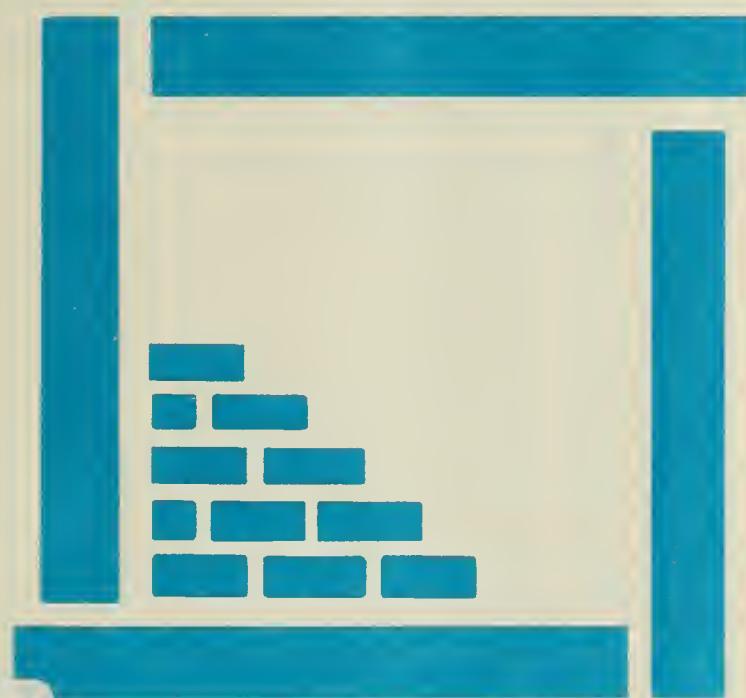
Census of Construction Industries

CC87-I-28

INDUSTRY SERIES

United States Summary

Establishments With and Without Payroll



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ACKNOWLEDGMENTS

Many persons participated in the various activities of the 1987 Census of Construction Industries.

The overall planning and review of the census operations were performed by the staff of the Office of the Assistant Director for Economic and Agriculture Censuses.

This report was prepared in the Construction Statistics Division. **Barry A. Rappaport**, Assistant Division Chief for Industry Surveys, was responsible for the overall planning, management, and coordination of the census of construction industries. Planning and implementation were under the direction of **A. William Visnansky**, Chief, Census Operations Branch, with primary staff assistance by **Juliana Van Berkum**, **Barbara J. Hadden**, **Edward R. Glover**, **Susan L. Hostetter**, **Shirley M. Baker**, and **Carolyn J. Stone**. Under the direction of **Jesse Pollock**, **Edward K. Ricketts** and **Dennis K. Duke** developed the sampling plans and variance and estimation specifications.

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If you have any questions concerning the statistics in this report, call (301) 763-7546.

1987

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and Without Payroll

Issued March 1990



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PURPOSE AND USES OF THE ECONOMIC CENSUSES

The economic censuses are the major source of facts about the structure and functioning of the Nation's economy. They provide essential information for government, business, industry, and the general public.

Economic censuses furnish an important part of the framework for such composite measures as the gross national product, input-output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions.

Policy-making agencies of the Federal Government use the data, especially in monitoring economic activity and providing assistance to business.

State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.

Trade associations study trends in their own and competing industries, and keep their members informed of market changes.

Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

AUTHORITY AND SCOPE

Title 13 of the United States Code (sections 131, 191, and 224) directs the Census Bureau to take the economic censuses every 5 years, covering years ending in 2 and 7. The 1987 Economic Censuses consist of the—

- Census of Retail Trade
- Census of Wholesale Trade
- Census of Service Industries
- Census of Transportation
- Census of Manufactures
- Census of Mineral Industries
- Census of Construction Industries

Special programs also cover enterprise statistics and minority-owned and women-owned businesses. (The 1987 Census of Agriculture and 1987 Census of Governments are conducted separately.) The next economic censuses are scheduled to be taken in 1993 covering the year 1992.

AVAILABILITY OF THE DATA

The results of each of the economic censuses are available in printed reports, for sale by the U.S. Government Printing Office, and on microfiche, computer tape, compact discs with read-only memory, and flexible diskettes, for sale by the Census Bureau. Order forms for all types of products are available on request from Customer Services, Census Bureau, Washington, DC 20233. A more complete description of publications being issued from this census is on the inside back cover of this document.

Census facts are also widely disseminated by trade associations, business journals, and newspapers. Volumes containing census statistics are available in most major public and college libraries. Finally, State Data Centers in every State and Business and Industry Data Centers in many States also supply economic census statistics.

WHAT'S NEW IN 1987

Several changes have taken place for the 1987 censuses. Data will be reported on the basis of the newly revised Standard Industrial Classification (SIC) system with selected reports including "bridge tables," linking the old and new classification systems. A new set of metropolitan

areas has been adopted, and more detailed information will be available for businesses with no paid employees. For additional information on these changes, review the subsequent text.

One important change involves receipts of contractors and builders. Prior to 1987, the Census of Construction Industries collected receipts as the primary measure of construction activity. For 1987, the census collected the "value of construction work done" to better measure actual construction activity done during the year. Differences between the two concepts occur when work is done in one year and payment received either from the prior or in the succeeding year. In addition, receipts do not include work a contractor performs for its own account and use.

HISTORICAL INFORMATION

The economic censuses have been taken together as an integrated program at 5-year intervals since 1967, and before that for 1963, 1958, and 1954. Prior to that time, the individual censuses were taken separately at varying intervals.

The economic censuses trace their beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for 1840 and subsequent censuses to include mining and some commercial activities. In 1902, Congress established a permanent Census Bureau and directed that a census of manufactures be taken every 5 years. The 1905 manufactures census was the first time a census was taken apart from the regular every-10-year population census.

The first census of business was taken in 1930, covering 1929. Initially it covered retail and wholesale trade, and construction industries, but it was broadened in 1933 to include some of the service trades.

The 1954 economic censuses were the first to be fully integrated—providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. These were the first censuses to be taken by mail, using lists of firms provided by the administrative records of other federal agencies. Since 1963, administrative records have also been used to provide basic statistics as well for very small firms, reducing or eliminating the need to send them census questionnaires. The Enterprise Statistics Program, which publishes combined data from the economic censuses, was made possible with the implementation of the integrated census program in 1954.

The range of industries covered in the economic censuses has continued to expand. The Census of Construction Industries began on a regular basis in 1967, and the scope of service industries was broadened in 1967, 1977, and 1987. The Census of Transportation began in 1963 as a set of surveys covering travel, transportation of commodities, and trucks. New for 1987 are publications reporting on business establishments engaged in several transportation industries, paralleling the data on establishments in

other sectors. This is part of a gradual expansion in coverage of industries previously subjected to government regulation. The Survey of Minority-Owned Business Enterprises was first conducted as a special project in 1969 and was incorporated into the economic censuses in 1972 along with the Survey of Women-Owned Businesses.

Economic censuses have also been taken in Puerto Rico since 1909, in the Virgin Islands and Guam since 1958, and in the Northern Mariana Islands since 1982.

Statistical reports from the 1982 and earlier censuses provide historical figures for the study of long-term time series, and are available in some large libraries. All of the census data published since 1967 are still available for sale on microfiche from the Census Bureau.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

While the censuses provide complete enumerations every 5 years, there are many needs for more frequent data as well. The Census Bureau conducts a number of monthly, quarterly, and annual surveys, the results of which appear in publication series such as *Current Construction Reports* (building permits, housing starts, and value of new construction put in place), *Current Business-Reports* (retail and wholesale trade and service industries), the *Annual Survey of Manufactures*, *Current Industrial Reports*, and the *Quarterly Financial Report*. Most of these surveys, while providing more frequent observations, yield less kind-of-business and geographic detail than the censuses. The *County Business Patterns* program offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1987 Economic Censuses and Related Statistics*. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1987 Economic Censuses*. Contact Customer Services for information on availability.

CENSUS OF CONSTRUCTION INDUSTRIES—SCOPE AND CLASSIFICATION

The 1987 Census of Construction Industries covers all employer establishments (establishments with payroll) primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property

into lots as defined in the 1987 Standard Industrial Classification (SIC) Manual.¹ This industrial classification system has been developed by experts on classification in government and private industry under the guidance of the Office of Management and Budget and is in general use among government agencies and among organizations outside the government.

Contract construction—The SIC manual defines construction in three broad types of activity that follow:

1. **Building construction by general contractors or by operative builders**—General building contractors are primarily engaged in the construction of dwellings, office buildings, stores, farm buildings, and other building projects. Operative builders who build on their own account for sale are also included here. However, investment builders who build structures on their own account for rent are classified in Real Estate.
2. **Heavy construction general contractors**—Heavy construction general contractors are primarily engaged in the construction of highways, bridges, pipelines, sewers and water lines, marine construction, power, and petro-chemical plants and other nonbuilding construction projects. Special trade contractors are classified in heavy construction if they are specifically engaged in the following activities: grading for highway and airport runways; guardrail construction; installation of highway signs; asphalt and concrete construction of roads, highways, streets and public sidewalks; trenching, cable laying; conduit construction; underwater rock removal; pipeline wrapping; or land clearing and leveling.
3. **Construction by other special trade contractors**—These contractors include plumbers, painters, carpenters, electricians, brick layers, roofers, etc. For the most part, they perform their work at the site of construction, although they may also have shops where they perform work incidental to the job site.

General contractors in both the building and the heavy construction field usually assume responsibility for an entire construction project, but may subcontract to others all of the actual construction work or those portions of the project requiring special skills or equipment. Special trade contractors may work for general contractors, for other subcontractors, or may work directly for the owner of the property.

In addition to the industries classified in the SIC manual as Construction, this census also includes one industry

classified in the Real Estate area, SIC 6552, Land Subdividers and Developers, Except Cemeteries. These establishments are engaged in subdividing real property into lots and in developing it for sale on their own account.

Each establishment receiving a questionnaire was requested to report the percent of total dollar value of business done for each kind-of-business activity engaged in during 1987. This information was used for the computer assignment of appropriate industry classifications. During this work, various tests were also made using other data reported on the questionnaire. The proportion of construction work to total business was checked to verify that the establishment was primarily in construction. Also taken into consideration were the types of structures worked on during the year and the extent of work undertaken for other contractors.

Construction establishments often engage in various construction activities. It is necessary, however, to assign a single industry code to the establishment based on its major activity. Therefore, the statistics shown for an industry reflect not only the primary activity of the establishments in the industry, but also their secondary activities. The industry reports, however, do present data on the extent of secondary activities.

A revised edition of the SIC Manual was issued in 1987. Minor modifications were made to three industries in the construction sector: SIC 1611, Highway and Street Construction Contractors, Except Elevated Highways; SIC 1629, Heavy Construction Contractors, N.E.C.; and SIC 1771, Concrete Work Special Trade Contractors. The extent of these modifications are explained in the specific texts for those industries. "Bridge tables" are also included showing selected data tabulated using both the previous classification system and the 1987 revision.

ESTABLISHMENT BASIS OF REPORTING

The census of construction industries is conducted on an establishment basis. A "construction establishment" is defined as a relatively permanent office or other place of business where the usual business activities related to construction are conducted. With some exceptions, a relatively permanent office is one which has been established for the management of more than one project or job and which is expected to be maintained on a continuing basis. Such "establishment" activities include, but are not limited to estimating, bidding, purchasing, supervising, and operation of the actual construction work being conducted at one or more construction sites. Separate construction reports were not required for each project or construction site.

Companies with more than one construction establishment were required to submit a separate report for each such establishment operated during all or any part of 1987. The census of construction industries figures represent a summary of records for individual establishments rather than for companies. The census tabulations, therefore, differ from those prepared on a company basis.

¹Standard Industrial Classification Manual: 1987. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

If an establishment engaged in construction and one or more distinctly different lines of economic activity (wholesale or retail trade, service, manufacturing, mining, etc.) at the same place of business, it was requested to file a separate report appropriate to each activity, provided that the activity was of substantial size and separate records were maintained or substantially accurate estimates could be prepared.

If a separate establishment report could not be prepared for each activity, then a construction report was requested covering all activities of that establishment providing that the 1987 value of construction work exceeded the gross receipts from each of its other activities.

Construction businesses with no payroll during 1987 (nonemployers) were not required to file census reports. Tabulation of data for these businesses are based on administrative records and are shown only in U.S. summary publications and the geographic area reports series. Refer to the section on "Sample Design" for details. Foreign construction activities were not included in this census.

SAMPLE DESIGN, ESTIMATION PROCEDURES, AND RELIABILITY OF ESTIMATES

The companies included in the 1987 Census of Construction Industries were identified as part of an operation common to all 1987 Economic Censuses. Construction companies were divided into employers (companies with payroll) and nonemployers (companies without payroll). Statistical information for the employers was obtained in the census by a survey which included all medium size and large employers and a sample of the smaller ones. Census reports were not required from the nonemployers. Statistics on them were obtained from administrative records of other agencies of the Federal Government.

Employer Companies

Developing the sampling frame for employer companies—This operation started with obtaining a list of all construction companies in the active records of the Internal Revenue Service (IRS) which were subject to payment of Federal Insurance Contributions Act taxes. The basic source for this list has been the Internal Revenue Service Business Master File, a comprehensive list of companies engaged in business activities in the United States. The file contains the name, address, and form of ownership of each company and also indicates whether or not the company is subject to the FICA. Each company in this file is assigned a unique employer identification (EI) number which it uses in filing its various reports with the IRS. The Social Security Administration (SSA) maintains a similar list using the same identification numbers, which also contains information on the industrial classification of each company. The Bureau of the Census obtained both of these lists and combined them.

Under special arrangements which safeguarded the confidentiality of the information, the Bureau also obtained administrative records data on payrolls and receipts and added these data to the combined list. The list, thus created from the IRS-SSA information, was a list of employer companies. However, for the 1987 Economic Censuses the basic reporting unit is the "establishment." Therefore, steps were taken to identify the individual establishments of those companies which operate more than one place of business. The information for making this determination was obtained by means of the Company Organization Survey (COS), an annual canvass of all known multistablishment companies and large single-establishment companies. Thus, the 1987 Economic Census list for single-establishment employer companies was obtained from the IRS-SSA, but the list of establishments of multistablishment employer companies was obtained directly from those companies in the COS. Refer to the section on "Establishment Basis for Reporting" for details.

In general, the IRS-SSA list provided sufficient industrial classification data to assign a company to the proper economic census, but there were a number of companies for which this information was inadequate or unavailable. A special form, NC-9923, General Schedule, was mailed to all such companies, requesting information on the nature of the company's activities. From the information reported, the company was given an industrial classification code and assigned to the appropriate economic census. Since construction companies found in this way were identified only after the regular census mailing had taken place, they were treated as a supplement to the basic list.

Selecting the employer sample—The sample was designed to provide reliable State and metropolitan area estimates for each construction industry. It consisted of all construction establishments in multistablishment companies, all single-establishment companies with estimated total employment of 20 employees or more, and a probability sample of single-establishment companies with estimated employment of fewer than 20 employees.

Supplementing the sample were construction companies identified from the NC-9923, General Schedule. Also affecting the sample were the misclassified companies; i.e., companies included in the samples of other trade areas which reported they were construction companies and companies originally classified in construction which reported they were not construction companies.

Of the 533,000 single-establishment employer companies initially classified as construction companies, 147,000 were included in the sample. All of the 13,000 establishments of multistablishment companies were included in the sample. There was a net increase in the sample of 60,000 establishments resulting from establishments originally unclassified (receiving the NC-9923) or misclassified.

The probability sample of the smaller single-establishment companies was a stratified random sample. Strata were formed from all establishments with the same initial four-digit SIC code, in the same State, in the same metropolitan

area or in the balance of the State, and in the same size class based on estimated total employment. If the four-digit SIC code for an establishment was incomplete, the establishment was placed in a stratum for miscellaneous companies. Because they were small, all companies were included in the sample for the following three industries: SIC 1622, Bridge, Tunnel, and Elevated Highway Construction Contractors; SIC 1795, Wrecking and Demolition Work Special Trade Contractors; and SIC 1796, Installation or Erection of Building Equipment Special Trade Contractors.

Estimation procedures for 1987 and 1982 data—

Since all larger employer companies and some smaller ones were included in the census, sample estimation was required only for the universe of companies not selected with certainty. The published statistics are the totals of the estimates for the sampled companies and the aggregates for the certainty companies. All estimates for 1987 and 1982 published here are simple unbiased estimates of the form:

$$x'_c = \frac{\sum x_i / p_i}{n_c}$$

$$i = 1$$

where: x'_c is the simple unbiased estimate of a characteristic for a publication cell.

x_i is the reported value of a characteristic for an individual establishment in the publication cell.

p_i is the selection probability of that firm.

n_c is the number of firms in the sample for the cell.

Data for certain characteristics were reported as a percentage of the dollar value of business done. Before this formula was applied to those characteristics, it was necessary to convert the reported percentages into dollars.

Reliability of employer statistics—Since the estimates for employer establishments in these reports are based on the samples, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same forms and procedures. The sampling errors shown in the tables were estimated directly from the sample reports, using methods appropriate for the sample design and form of estimation used.

The relative standard error is a measure of sampling variability, i.e., the variation that might occur by chance because only a sample of the population is surveyed. As calculated for this report, the relative standard error also partially reflects the effect of random errors of response and processing, but it does not take into account the effect of any consistent biases due to those types of errors. The chances are about 68 out of 100 that an estimate from the

sample would differ from a complete census by less than the relative standard error. The chances are about 95 out of 100 that the difference is less than twice the relative standard error and about 99 out of 100 that it is less than 2-1/2 times the relative standard error. Individual estimates with large relative standard errors have been shown in the published tables. Any such estimates should be used with caution. The very large relative standard errors generally occur for the smaller estimates.

Relative standard errors have been calculated for all of the published statistics, although they are shown for each statistic only in the tables presenting detailed statistics. Other tables show relative standard errors only for certain characteristics because of lack of space.

As calculated for this report, the relative standard error measures certain nonsampling errors, but does not measure any systematic biases in the data. Bias is the difference, averaged over all possible samples with the same size and design, between the estimates and the true value being estimated. Nonsampling errors can be attributed to many sources: inability to obtain information about all cases in the sample; definitional difficulties; differences in interpretation of questions; inability or unwillingness of respondents to provide correct information; and errors made in processing the data. Although no direct measurements of the biases have been obtained, it is believed that most of the important response and operational errors were detected in the course of reviewing the data for reasonableness and consistency.

A potential source of bias is in the imputation for those establishments that have not responded by the time of final publication. Data were estimated for establishments that did not report by that date, although selected establishments were contacted again to obtain as much information on the telephone as possible. Some publication cells in which more than 40 percent of the data were not reported have been suppressed.

Nonemployer Companies

As described earlier, the information derived from the business income tax returns of all companies was matched to the census employer file on the basis of common identification numbers. Those business income tax returns which could not be matched, were further classified on the basis of several characteristics. Returns with characteristics consistent with companies without payroll were treated as nonemployers. The nonemployer construction companies were not required to file census reports.

For "number of establishments," each separate income tax return was assumed to be an establishment. "All business receipts", referred to in the tables as "dollar value of business done", was based on receipts information reported on the tax return.

Since no sampling was involved in the nonemployer establishments, the statistics for nonemployers are not subject to sampling variability. However, these data are subject to an unknown amount of reporting and processing errors which could not be detected by the Census Bureau.

CENSUS REPORT FORMS

Information for the 1987 Census of Construction Industries was obtained from employer establishments primarily through the use of twenty-four questionnaires, determined by industry classification and size. Standard forms and short forms were developed for each of the following SIC groups: 15, 16, 171, 172, 173, 174, 175, 176, 177, 178, and 179 and for the establishments classified in SIC 6552. Establishments with 50 or more employees all received the standard form. A sub-sample of establishments with fewer than 50 employees received short forms instead of the standard forms. The short forms covered only major items and omitted some of the detail found in the longer forms.

In reviewing and developing the questionnaires, comments and recommendations were elicited from construction trade associations and appropriate advisory groups. The Bureau surveyed several thousand firms representing all economic activities to gain insight into the way companies maintain records and to see whether new information could be collected.

DATA PROCESSING

The 1987 census report forms were mailed out in December 1987. They were mailed from and returned to the Census Bureau's Data Preparation Division in Jeffersonville, Ind., where routine editing and coding of the report forms were also accomplished. Collection of these report forms was essentially completed in July 1988.

The returned reports underwent extensive processing. A preliminary edit done at the time of data entry identified obviously deficient reports and reports needing clarification. When necessary, these problems were resolved by further contact with the respondents. Next, the data were transmitted to Census Bureau headquarters near Washington, DC.

Data records, then, underwent a detailed computer review and analysis. The records containing significant problems were referred for further analytical review and, if necessary, contacts were made with the respondents. The computer performed most classification coding (such as industry coding, geographic coding, and size coding), and imputation for missing items or for reports not received in time for tabulation. The imputation was performed on an industry (or industry group)-State (or geographic group) basis using all available response and administrative data.

The data records were then tabulated on an industry basis. Industry totals were subjected to analytical review, and selected statistics were prepared for the preliminary reports. Corrections resulting from this review were made to the computer records and final tabulations were produced.

The review of a preliminary report for an industry often uncovered the need for corrections or revisions to the data for another industry for which a preliminary report had already been published. The final reports incorporate all

revisions and corrections made during the review of the preliminary reports and contain considerable more data than were published in those reports.

GEOGRAPHIC CLASSIFICATION

Information for the 1987 Census of Construction Industries' final industry report series is classified on the basis of two types of geographic distributions: (1) physical location of the establishment, and (2) location of construction work. A separate code was assigned on each basis allowing us to present data by both physical locations of the establishment and location of construction work.

The geographic area reports series presents similar data by industry for each State (physical location of the establishment) and for selected MSA's, CMSA's and PMSA's.

DUPLICATION IN VALUE OF CONSTRUCTION WORK

The aggregate of value of construction work reported by all construction establishments in each of the several industry, geographic area, or other groupings in this census, contains varying amounts of duplication, since the construction work of one firm may be subcontracted to other construction firms and also be included in the subcontractors' value of construction work. To avoid this duplication, a "net" value of construction work figure has been derived for each establishment by subtracting the costs for construction work subcontracted to others from the value of construction work.

Duplication in value of business between other construction and nonconstruction industries, results from the use of products of these other industries as input materials by construction establishments. "Value added," avoids this duplication and is, for most purposes, the best measure for comparing the relative economic importance of industries or areas. "Value added," is defined in the 1987 Census of Construction Industries as equal to dollar value of business done less costs for construction work subcontracted to others and payments for materials, components, supplies, and fuels. However, for SIC 6552 and SIC 1531 where land receipts are significant, land receipts are also subtracted from dollar value of business done.

SPECIAL TABULATIONS

Special tabulations of data collected in the 1987 Census of Construction Industries may be obtained on computer tape or in tabular form. The data will be in summary form and subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) as are the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact and detailed specifications of the type and format of the data to be provided, should be directed to the Chief, Construction Statistics Division, Bureau of the Census, Washington, DC, 20233.

To discuss a special tabulation before submitting specifications, call 301-763-7546.

COMPARABILITY OF CENSUS OF CONSTRUCTION INDUSTRIES DATA WITH OTHER DATA

Data contained in the reports of the 1987 Census of Construction Industries are not the same as the data published in the Census Bureau's monthly Construction Reports, Series C30, Value of New Construction Put in Place. The main difference is that the C30 series covers all new construction put in place without regard to who is performing the construction activity, whereas the construction census figures cover both new construction and maintenance and repair work done by establishments classified in the construction industry. Significant amounts of construction are done by establishments classified outside of construction (in real estate, manufacturing, utilities and communications, for example), both as "force account" construction and construction done for others. In addition, the value in place series includes construction-related expenses such as architectural and engineering costs and the costs of materials supplied by owners which are normally not reflected in the Census of Construction.

Data contained in the reports of the census of construction industries may also differ from industry data in "Employment and Earnings Statistics," published by the Bureau of Labor Statistics, and "Statistics of Income," published by the Internal Revenue Service. These differences arise from varying definitions of scope, coverage, timing, classification, and methodology.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in this publication:

*	Sampling error exceeds 40 percent.
**	Represents the sum of all employees during pay periods including 12th of March, May, August, and November, divided by 4.
-	Represents zero.
†	Represents value of construction work less costs for construction work subcontracted to others. (See Duplication in Value of Construction Work.)
††	Represents dollar value of business done less costs for construction work subcontracted to others, and costs for materials, components, supplies, and fuels. In SIC's 1531 and 6552, land receipts are also subtracted from dollar value of business done. (See Duplication in Value of Construction Work.)
(D)	Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
(NA)	Not available.
(S)	Withheld because estimate did not meet publication standards on the basis of either the response rate, associated relative standard error, or a consistency review.
(W)	Greater than zero but less than 1 percent.
(X)	Not applicable.
n.s.k.	Not specified by kind.

Users' Guide for Locating Statistics in This Report by Table Number

Statistics	For U.S.	By State	By employment size	By size class of dollar value of business done	By type, class, ownership, kind of business, and location of construction ¹	By specialization in types of construction
Assets and depreciation (gross book value):						
Beginning of year—buildings, machinery and equipment.....	3					
End of year—total.....	1, 3	1	5	6		
End of year—buildings, machinery and equipment.....	3					
Depreciation charges during year— buildings, machinery and equipment.....	3					
Capital expenditures:						
Total capital expenditures	1, 3	1	5	6		
New buildings—machinery and equipment	3					
Used buildings—machinery and equipment.....	3					
Communication services, costs for	2					
Employees:						
All employees—average number	1, 2	1	5	6		
Construction workers—average number.....	1, 2, 9	1, 9				8
Other employees—average number	2					
Employer costs for fringe benefits—legally required and voluntary expenditures	2					
Establishments—number in business during year	1, 2, 4, 9	1, 9	5	6		8
Hours—construction workers:						
Total.....	1, 2, 9	1, 9	5	6		
Quarterly	2, 9	9				
Inventories	4					
Materials, components, supplies, and fuels—costs for	1, 2	1	5	6		
Payroll:						
First quarter, all employees.....	2					
Annual:						
All employees.....	1, 2	1	5	6		
Construction workers.....	1, 2	1				8
Other employees.....	2					
Power, fuels, and lubricants—costs for.....	2					
Proprietors and working partners.....	2					
Ratios, State.....	13	13				
Value and receipts:						
Dollar value of business done, total	2					
Value of construction work, total	1, 2, 4	1	5	6	11	
For work subcontracted in from others.....	2				2, 7, 10	8
Other business receipts and land receipts ²	2					
Net value of construction work.....	1, 2	1	5	6		8
Value added	1, 2	1	5	6		8
Rental costs:						
Total.....	1, 2	1	5	6		
For machinery and equipment	2					
For buildings.....	2					
Repairs to buildings and other structures.....	2					
Repairs to machinery and equipment	2					
Selected industry ratios	12					
Subcontract work to others, costs for.....	1, 2	1	5	6		8

Note: Data for 1982 and earlier years are also available in some of these tables.

¹Type—buildings, roads, etc. Class—new construction; additions, alterations, or reconstruction; or maintenance and repair work. Ownership—private or government owned.

²Land receipts are shown separately for SIC's 1531 and 6552 only.

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United States Summary Establishments With and Without Payroll

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SUMMARY OF FINDINGS

This report summarizes data previously published in 27 separate industry reports covering construction establishments with payroll. In addition, limited data on construction establishments with no payroll during 1987, obtained from administrative records of the Federal Government, are included. (Establishments with no payroll are, for the most part, companies owned and operated by a single person.)

Establishments covered in this report were primarily engaged in contract construction, construction on their own account for sale, or in subdividing real property into lots, as defined in the 1987 Standard Industrial Classification (SIC) Manual. The SIC manual defines construction in three broad types: (1) building construction by general contractors or operative builders; (2) heavy construction (highways, power plants, etc.) done by general contractors and selected special trade contractors; and, (3) construction done by special trade contractors such as electricians, plumbers and painters. In addition, this census also includes one industry classified under Real Estate in the manual, SIC 6552, Land Subdividers and Developers, Except Cemeteries.

The SIC manual was revised in 1987 to reflect the economy's changing industrial organization. For the construction industries affected, selected data for establishments with payroll were tabulated using both the previous classification system and the 1987 revision as shown in the table on the following page.

During 1987, there were nearly 2.0 million establishments in the United States operating in the construction industries or as land subdividers and developers. These establishments accounted for \$605 billion in total value of business done.

Most of the 2.0 million construction establishments were small. Of the total, 1.4 million were nonemployers, and over half of the employer establishments had less than 5 employees. However, the 229,715 establishments with 5 employees or more, while representing only 12 percent of all establishments, accounted for more than 76 percent of the total value of business done.

ESTABLISHMENTS WITH PAYROLL

During 1987, the establishments with paid employees accounted for \$522 billion in total dollar value of business done. Of this amount, \$500 billion were for the value of construction work. Their payments for construction work subcontracted to others amounted to \$132 billion, leaving

net value of construction work of \$368 billion. In addition, these establishments paid out \$23.1 billion for the cost of fuels, power, rental of equipment and buildings, and the cost of selected purchased services. Value added for 1987 was \$230 billion. (See Introduction and Appendixes for explanation of terms.)

There were 544,233 establishments with total employment averaging 5,054,367 during the year. Total payroll for 1987 was \$111 billion. Total hours worked by construction workers during the year were 6.7 billion hours.

The data in this report covering establishments with payroll were obtained from a sample survey. A construction establishment is defined as a relatively permanent office, or other place of business, where the usual business activities related to construction are conducted. A separate census report was required from each sample establishment covering domestic operations. Separate reports were not required for each project or construction site.

In 1987, the value of construction work was collected to better measure actual construction activity done during the year. Construction receipts, as reported in earlier censuses, may have included the value of work done before or after the calendar year and may have also excluded work done by builders for their own use. All dollar values are shown in current dollars for the years specified and have not been adjusted for inflation.

Since the data in this report covering employer establishments are estimated from a sample survey, they are subject to sampling variability as well as errors of response and nonreporting. The relative standard errors shown in the tables are measures of sampling variability. Descriptions of the sampling, estimating procedures, and data reliability are included in the Introduction.

ESTABLISHMENTS WITHOUT PAYROLL

During 1987, there were 1.4 million establishments with no payroll classified as construction or land subdividers and developers. According to administrative records of the Federal Government, their value of business done during 1987 was \$82.6 billion. Most of these establishments, about 75 percent, were special trade contractors.

For the establishments without payroll, only information on total value of business done was available from administrative records. Statistics on establishments without payroll are shown in tables 1 and 2 of this report.

1987 Data Showing Composition of Industries for Establishments With Payroll in the New Standard Industrial Classification

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Industry	Number of establishments	All employees**	Payroll, all employees	Value of construction work	Net value of construction work†	Value added††	Capital expenditures other than land
DERIVATION OF THE NEW CLASSIFICATION BASED ON THE OLD CLASSIFICATION							
New Industry 1629, Heavy Construction, N.E.C.	14 532	297 618	7 661 992	25 632 969	21 209 274	15 300 639	672 353
Old Industry 1611, Highway and Street Construction (pt.)	456	5 459	116 248	535 782	429 253	276 397	17 944
Old Industry 1629, Heavy Construction, N.E.C.	14 075	292 159	7 545 743	25 097 187	20 780 021	15 024 242	654 408
New Industry 1771, Concrete Work.	23 422	218 194	4 174 568	15 055 670	13 853 510	8 443 003	366 126
Old Industry 1611, Highway and Street Construction (pt.)	251	5 139	97 664	371 425	347 039	220 036	8 945
Old Industry 1771, Concrete Work.	23 171	213 054	4 076 903	14 684 245	13 506 470	8 222 967	357 180
DISTRIBUTION OF THE OLD CLASSIFICATION BASED ON THE NEW CLASSIFICATION							
Old Industry 1611, Highway and Street Construction	11 694	294 979	7 255 022	35 068 634	28 760 132	17 616 067	1 380 815
New Industry 1629, Heavy Construction, N.E.C. (pt.)	456	5 459	116 248	535 782	429 253	276 397	17 944
New Industry 1771, Concrete Work (pt.)	251	5 139	97 664	371 425	347 039	220 036	8 945
New Industry 1611, Highway and Street Construction	10 986	284 380	7 041 109	34 161 427	27 983 839	17 119 634	1 353 924

Figure 1. Selected Costs Per Dollar Value of Business Done

(Percent)

1987
1982



Building Construction-General Contractors and Operative Builders

Payroll	12.4	14.6
Materials, Components, and Supplies	21.9	21.0
Construction Work Subcontracted to Others	45.1	47.7
Selected Power and Fuels: Electricity, Natural Gas, Gasoline and Diesel Fuel	0.8	0.9
Rental Costs for Machinery, Equipment and Buildings	0.7	0.7
Selected Purchased Services: Communication, Repairs to Buildings, Machinery and Equipment	0.7	0.7

Heavy Construction Other Than Building Construction-Contractors

Payroll	23.8	27.4
Materials, Components, and Supplies	28.6	28.5
Construction Work Subcontracted to Others	16.2	17.8
Selected Power and Fuels: Electricity, Natural Gas, Gasoline and Diesel Fuel	2.8	2.9
Rental Costs for Machinery, Equipment and Buildings	3.3	2.4
Selected Purchased Services: Communication, Repairs to Buildings, Machinery and Equipment	3.3	2.6

Special Trade Contractors

Payroll	30.3	31.3
Materials, Components, and Supplies	33.5	33.9
Construction Work Subcontracted to Others	7.2	7.3
Selected Power and Fuels: Electricity, Natural Gas, Gasoline and Diesel Fuel	1.7	2.2
Rental Costs for Machinery, Equipment and Buildings	1.6	1.4
Selected Purchased Services: Communication, Repairs to Buildings, Machinery and Equipment	1.6	1.7

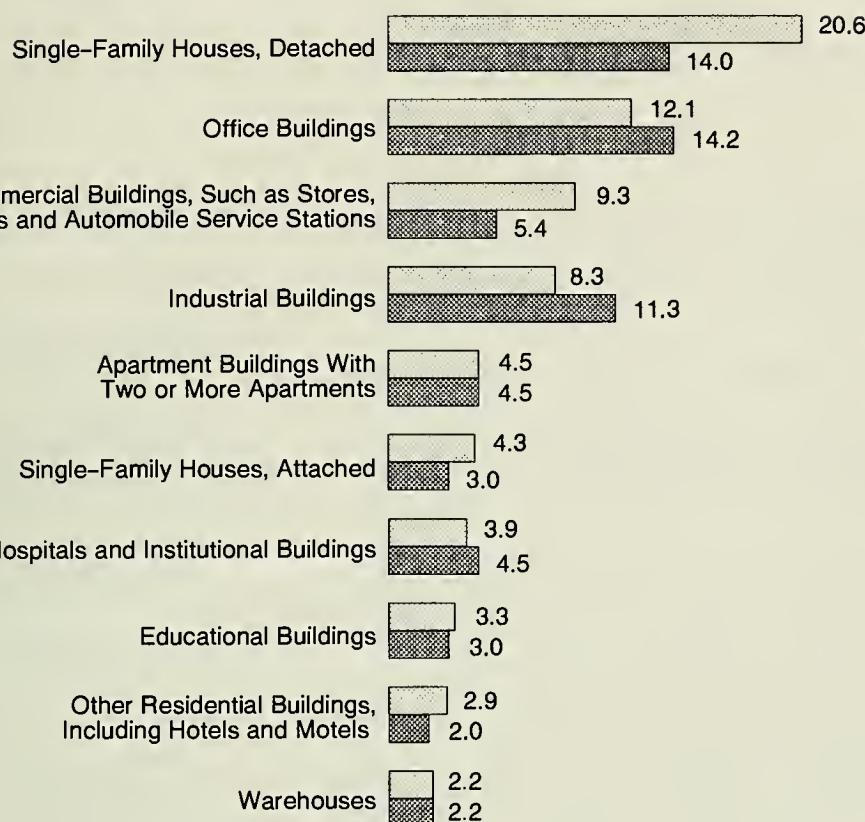
Land Subdividers and Developers, N.E.C.

Payroll	11.5	16.6
Materials, Components, and Supplies	8.1	10.2
Construction Work Subcontracted to Others	28.3	21.8
Selected Power and Fuels: Electricity, Natural Gas, Gasoline and Diesel Fuel	0.9	2.2
Rental Costs for Machinery, Equipment and Buildings	0.5	0.5
Selected Purchased Services: Communication, Repairs to Buildings, Machinery and Equipment	1.0	1.9

**Figure 2. Value of Construction Work by Type of Construction
(Percent)**

1987 1982

Building Construction



Nonbuilding Construction

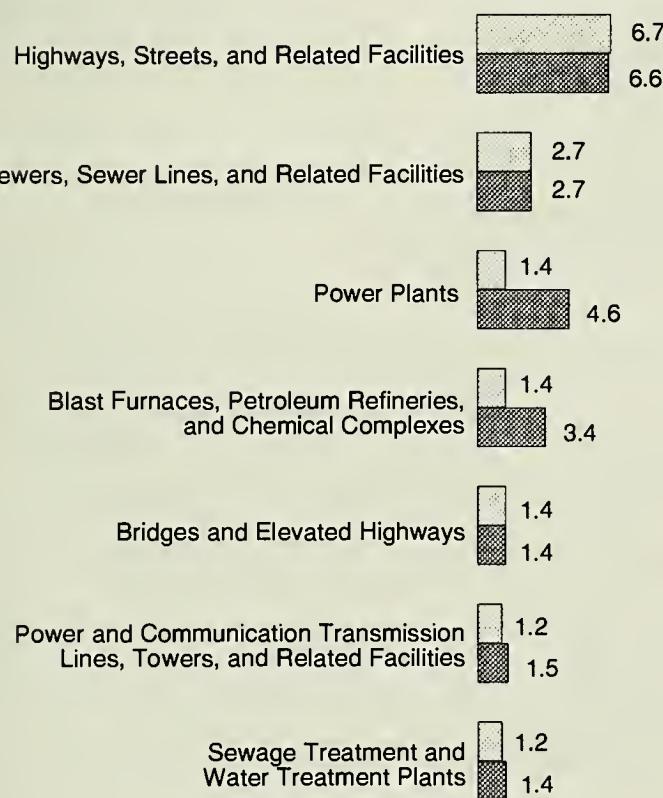


Table 1. Summary Statistics for Establishments With and Without Payroll: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes. Data for 1982 are not available at the same industry detail as 1987.]

1987 SIC code	Industry	All establishments				Establishments without payroll				Establishments with payroll				Relative standard error of estimate (percent) for column—		
		Number	Propri- tors and working partners	All em- ployees**	Dollar value of business done	Number	Propri- tors and working partners	Dollar value of business done	Number	Propri- tors and working partners	All em- ployees**	Dollar value of business done ¹	K	J	K	
		A	B	C	D	E	F	G	H	I	J	K				
	1987															
	Construction industries and land subdividers and developers -----	1 951 509	1 523 509	5 054 367	605 046 008	1 407 276	1 383 772	82 580 646	544 233	139 737	5 054 367	522 465 382	(W)	(W)		
15, 16, 17	Construction Industries -----	1 904 599	1 482 273	5 014 599	578 421 744	1 368 322	1 343 572	63 484 146	536 277	138 701	5 014 599	514 937 598	(W)	(W)		
15	Building construction—general contractors and operative builders -----	443 428	297 549	1 278 422	252 552 632	285 789	262 578	27 364 492	157 639	34 971	1 278 422	225 188 140	(W)	(W)		
152	General contractors, residential buildings -----	364 595	269 332	477 999	79 329 638	266 074	243 557	25 631 377	98 521	25 775	477 999	53 698 261	(W)	1		
1531	Operative builders -----	40 177	22 416	168 940	59 072 275	19 411	18 969	1 598 238	20 766	3 447	168 940	57 474 037	1			
154	General contractors, nonresidential buildings -----	38 655	5 798	631 481	114 150 717	304	52	134 877	38 351	5 746	631 481	114 015 840	(W)	(W)		
16	Heavy construction other than building construction—contractors -----	56 904	26 898	827 126	87 518 148	20 307	19 788	1 845 580	36 597	7 110	827 126	85 672 568	(W)	(W)		
1611	Highway and street construction-----	15 853	6 591	284 380	36 052 415	4 867	4 954	524 380	10 986	1 637	284 380	35 528 035	(W)	(W)		
162	Heavy construction, except highway-----	41 050	20 306	542 744	51 465 732	15 440	14 834	1 321 200	25 610	5 472	542 744	50 144 532	(W)	(W)		
17	Special trade contractors -----	1 404 266	1 157 826	2 909 050	238 350 963	1 062 226	1 061 206	34 274 075	342 040	96 620	2 909 050	204 076 888	(W)	(W)		
1711	Plumbing, heating, and air-conditioning -----	161 578	109 325	617 333	54 397 222	92 012	91 343	4 177 569	69 566	17 982	617 333	50 219 653	(W)	(W)		
1721	Painting and paper hanging -----	196 458	180 098	169 968	11 658 175	166 591	168 573	3 630 202	29 867	11 525	169 968	8 027 973	1	1		
1731	Electrical work -----	125 159	86 116	509 309	38 863 014	75 723	74 710	2 587 757	49 436	11 406	509 309	36 275 257	(W)	(W)		
174	Masonry, stonework, tile setting, and plastering -----	146 327	117 841	456 961	31 406 516	100 145	101 216	3 561 418	46 182	16 625	456 961	27 845 098	(W)	(W)		
175	Carpentry and floor work -----	382 118	354 454	235 010	23 476 144	337 935	340 217	8 252 005	44 183	14 237	235 010	15 224 139	(W)	1		
1761	Roofing, siding, and sheet metal work-----	79 890	61 946	231 137	17 319 518	54 217	54 930	2 060 627	25 673	7 016	231 137	15 258 891	1	1		
1771	Concrete work -----	49 874	34 155	218 194	16 478 407	26 452	26 989	1 266 358	23 422	7 166	218 194	15 212 049	1			
1781	Water well drilling -----	8 601	6 567	17 598	1 653 360	5 187	285 013	3 414	1 150	17 598	1 368 347	2	2			
179	Miscellaneous special trade contractors -----	254 254	207 317	453 532	43 098 601	203 964	197 811	8 453 126	50 290	9 506	453 532	34 645 475	(W)	(W)		
6552	Land subdividers and developers, n.e.c.² -----	46 909	41 235	39 768	26 624 264	38 954	40 200	19 096 500	7 955	1 035	39 768	7 527 764	2	2		
	1982															
	Construction Industries and land subdividers and developers -----	1 389 309	1 089 667	4 275 070	365 420 747	932 608	930 114	40 908 315	456 701	159 553	4 275 070	324 512 432	(W)	(W)		
15, 16, 17	Construction Industries -----	1 363 228	1 068 575	4 234 887	356 049 302	912 452	909 754	34 961 402	450 776	158 821	4 234 887	321 087 900	(W)	(W)		
15	Building construction—general contractors and operative builders -----	304 428	211 178	993 629	131 060 477	181 248	174 480	13 960 706	123 180	36 698	993 629	117 099 771	(W)	(W)		
16	Heavy construction other than building construction—contractors -----	58 558	36 652	852 065	73 321 457	30 371	30 367	2 297 883	28 187	6 285	852 065	71 023 574	(W)	(W)		
17	Special trade contractors -----	1 000 241	820 744	2 389 193	151 667 367	700 833	704 907	18 702 813	299 408	115 837	2 389 193	132 964 554	(W)	(W)		
1711	Plumbing, heating, and air-conditioning -----	122 733	82 310	512 004	36 001 797	62 490	62 549	2 480 358	60 243	19 761	512 004	33 521 439	(W)	(W)		
1731	Electrical work -----	89 619	61 571	434 764	28 060 308	50 056	49 779	1 619 223	39 563	11 792	434 764	26 441 085	(W)	(W)		
6552	Land subdividers and developers, n.e.c.² -----	26 081	21 092	40 183	9 371 444	20 156	20 360	5 946 913	5 925	732	40 183	3 424 531	2	1		

Note: Number of establishments in this and subsequent tables represent those in business at any time during the year.

¹For establishments with payroll in 1987, the dollar value of business done includes the value of construction work which has a measure of construction activity where no receipts were received. In earlier censuses, construction receipts only were collected.

²For establishments without payroll, may also include data for an unknown number of cemetery land subdividers and subdivider.

Table 2. Summary Statistics by Size Class of the Dollar Value of Business Done for Establishments With and Without Payroll: 1987

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	All establishments				Establishments without payroll				Establishments with payroll				Relative standard error of estimate (percent) for column—		
		Number	Propri- tors and working partners	All em- ployees**	Dollar value of business done	Number	Propri- tors and working partners	Dollar value of business done	Number	Propri- tors and working partners	All em- ployees**	Dollar value of business done	J	K		
		A	B	C	D	E	F	G	H	I	J	K	J	K		
	Construction industries and land subdividers and developers -----	1 951 509	1 523 509	5 054 367	605 046 008	1 407 276	1 383 772	82 580 646	544 233	139 737	5 054 367	522 465 362	(W)	(W)		
	\$10,000,000 or more -----	7 283	734	1 133 155	201 088 485	278	310	5 758 395	7 005	424	1 133 155	195 330 090	(W)	(W)		
	\$5,000,000 to \$9,999,999 -----	10 160	1 252	529 285	69 669 986	664	734	4 587 205	9 496	518	529 285	65 082 781	(W)	1		
	\$2,500,000 to \$4,999,999 -----	21 872	2 642	641 010	75 396 773	1 519	1 509	5 192 612	20 353	1 133	641 010	70 204 161	(W)	1		
	\$1,000,000 to \$2,499,999 -----	58 613	9 736	874 398	90 316 778	5 693	4 942	8 531 708	52 920	4 794	874 398	81 785 070	(W)	1		
	\$500,000 to \$999,999 -----	78 275	21 630	619 924	54 647 512	12 503	10 517	8 599 540	65 772	11 113	619 924	46 047 972	1	1		
	\$250,000 to \$499,999 -----	121 716	51 265	534 536	42 574 087	29 357	26 072	10 088 691	92 359	25 193	534 536	32 485 396	1	1		
	\$100,000 to \$249,999 -----	242 433	144 178	479 445	38 332 058	96 269	92 176	14 686 068	146 164	52 002	479 445	23 645 990	1	1		
	\$50,000 to \$99,999 -----	(S)	(S)	(S)	(S)	145 147	142 664	10 189 792	(S)	(S)	(S)	(S)	(S)	(S)		
	\$25,000 to \$49,999 -----	(S)	(S)	(S)	(S)	207 428	204 880	7 359 942	(S)	(S)	(S)	(S)	(S)	(S)		
	Less than \$25,000 -----	(S)	(S)	(S)	(S)	908 418	899 968	7 586 693	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	318 933	315 786	5 216 688	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	207 770	205 860	1 512 948	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	155 642	154 301	569 317	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	226 073	224 021	287 740	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
15, 16, 17	Construction industries -----	1 904 599	1 482 273	5 014 599	578 421 744	1 368 322	1 343 572	63 484 146	536 277	138 701	5 014 599	514 937 598	(W)	(W)		
	\$10,000,000 or more -----	7 007	441	1 124 887	194 681 980	88	37	1 801 680	6 919	404	1 124 887	192 880 300	(W)	(W)		
	\$5,000,000 to \$9,999,999 -----	9 552	585	525 720	65 478 953	222	109	1 539 586	9 330	476	525 720	63 939 367	(W)	1		
	\$2,500,000 to \$4,999,999 -----	20 616	1 367	636 467	71 091 642	569	275	1 920 762	20 047	1 092	636 467	69 170 880	(W)	1		
	\$1,000,000 to \$2,499,999 -----	55 292	6 696	866 639	85 111 617	3 361	2 038	4 886 430	51 931	4 658	866 639	80 225 187	(W)	1		
	\$500,000 to \$999,999 -----	74 477	18 127	615 692	51 967 120	9 531	7 139	6 497 997	64 946	10 988	615 692	45 469 123	1	1		
	\$250,000 to \$499,999 -----	116 628	46 866	530 638	40 764 714	25 344	21 812	8 662 287	91 284	25 054	530 638	32 102 427	1	1		
	\$100,000 to \$249,999 -----	234 410	137 448	475 893	37 026 671	89 891	85 669	13 653 845	144 519	51 779	475 893	23 372 826	1	1		
	\$50,000 to \$99,999 -----	(S)	(S)	(S)	(S)	140 308	137 941	9 842 608	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	\$25,000 to \$49,999 -----	(S)	(S)	(S)	(S)	203 063	200 702	7 203 271	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Less than \$25,000 -----	(S)	(S)	(S)	(S)	895 945	887 850	7 475 680	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	313 947	310 986	5 134 742	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	205 097	203 308	1 493 583	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	153 892	152 552	562 923	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	223 009	221 004	284 432	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
15	Building construction—general contractors and operative builders -----	443 428	297 549	1 278 422	252 552 632	285 789	262 578	27 364 492	157 639	34 971	1 278 422	225 188 140	(W)	(W)		
	\$10,000,000 or more -----	3 476	306	368 530	110 174 254	68	14	1 416 446	3 408	292	368 530	108 757 808	(W)	(W)		
	\$5,000,000 to \$9,999,999 -----	3 905	323	122 072	26 871 224	160	42	1 093 943	3 745	281	122 072	25 777 281	1	1		
	\$2,500,000 to \$4,999,999 -----	8 333	818	151 372	28 677 663	424	151	1 433 898	7 909	667	151 372	27 243 765	1	1		
	\$1,000,000 to \$2,499,999 -----	22 152	3 517	204 337	34 094 611	2 496	1 332	3 652 889	19 656	2 185	204 337	30 441 722	1	1		
	\$500,000 to \$999,999 -----	28 060	7 964	145 280	19 599 851	6 247	4 152	4 294 005	21 813	3 812	145 280	15 305 846	1	1		
	\$250,000 to \$499,999 -----	40 838	17 726	124 214	14 326 554	13 544	10 392	4 694 854	27 294	7 334	124 214	9 631 700	1	1		
	\$100,000 to \$249,999 -----	(S)	(S)	(S)	(S)	33 533	28 673	5 258 990	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	\$50,000 to \$99,999 -----	(S)	(S)	(S)	(S)	36 872	33 614	2 631 741	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	\$25,000 to \$49,999 -----	(S)	(S)	(S)	(S)	42 633	40 106	1 524 077	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Less than \$25,000 -----	(S)	(S)	(S)	(S)	149 812	144 102	1 363 648	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	59 316	56 908	977 334	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	35 075	33 843	256 326	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	24 349	23 547	89 509	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	31 072	29 804	40 479	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
16	Heavy construction other than building construction—contractors -----	56 904	26 898	827 126	87 518 148	20 307	19 788	1 845 580	36 597	7 110	827 126	85 672 568	(W)	(W)		
	\$10,000,000 or more -----	1 635	94	390 777	47 259 819	14	23	270 153	1 621	71	390 777	46 989 666	(W)	(W)		
	\$5,000,000 to \$9,999,999 -----	1 764	126	107 034	12 326 104	25	31	184 392	1 739	95	107 034	12 141 712	(W)	(W)		
	\$2,500,000 to \$4,999,999 -----	3 006	174	102 891	10 480 412	37	41	128 166	2 969	133	102 891	10 352 246	1	1		
	\$1,000,000 to \$2,499,999 -----	5 608	578	103 154	8 937 930	124	105	184 933	5 484	473	103 154	8 752 997	1	1		
	\$500,000 to \$999,999 -----	5 592	1 087	54 726	3 994 546	258	240	179 120	5 334	847	54 726	3 815 426	2	2		
	\$250,000 to \$499,999 -----	6 762	2 033	36 850	2 386 555	623	571	213 954	6 139	1 462	36 850	2 172 601	3	2		
	\$100,000 to \$249,999 -----	8 913	4 168	22 030	1 419 686	1 956	1 943	298 418	6 957	2 225	22 030	1 121 268	3	2		
	\$50,000 to \$99,999 -----	(S)	(S)	(S)	(S)	2 614	2 522	184 887	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	\$25,000 to \$49,999 -----	(S)	(S)	(S)	(S)	3 114	3 047	112 150	(S)	(S)	(S)	(S)	(S)	(S)	(S)	(S)
	Less than \$25,000 -----	(S)	(S)	(S)	(S)	1										

Table 2. Summary Statistics by Size Class of the Dollar Value of Business Done for Establishments With and Without Payroll: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	All establishments				Establishments without payroll				Establishments with payroll				Relative standard error of estimate (percent) for column—	
		Number	Proprietors and working partners	All em- ployees**	Dollar value of business done	Number	Proprietors and working partners	Dollar value of business done	Number	Proprietors and working partners	All em- ployees**	Dollar value of business done	Number	J	K
		A	B	C	D	E	F	G	H	I	J	K	L	M	N
17	Special trade contractors -----	1 404 266	1 157 826	2 909 050	238 350 963	1 062 226	1 061 206	34 274 075	342 040	96 620	2 909 050	204 076 888	(W)	(W)	
	\$10,000,000 or more -----	1 896	41	365 581	37 247 907	6	—	115 081	1 890	41	365 581	37 132 826	(W)	(W)	
	\$5,000,000 to \$9,999,999 -----	3 883	135	296 613	26 281 624	37	36	261 251	3 846	99	296 613	26 020 373	(W)	(W)	
	\$2,500,000 to \$4,999,999 -----	9 277	374	382 204	31 933 567	108	83	358 698	9 169	291	382 204	31 574 869	(W)	(W)	
	\$1,000,000 to \$2,499,999 -----	27 532	2 600	559 148	42 079 075	741	601	1 048 607	26 791	1 999	559 148	41 030 468	(W)	1	
	\$500,000 to \$999,999 -----	40 825	9 075	415 686	28 372 723	3 026	2 747	2 024 872	37 799	6 328	415 686	26 347 851	1	1	
	\$250,000 to \$499,999 -----	69 028	27 105	369 573	24 051 606	11 177	10 849	3 753 480	57 851	16 256	369 573	20 298 126	1	1	
	\$100,000 to \$249,999 -----	154 505	92 688	345 890	24 222 779	54 402	55 053	8 096 436	100 103	37 635	345 890	16 126 343	1	1	
	\$50,000 to \$99,999 -----	(S)	(S)	(S)	(S)	100 822	101 805	7 025 980	(S)	(S)	(S)	(S)	(S)	(S)	
	\$25,000 to \$49,999 -----	(S)	(S)	(S)	(S)	157 316	157 549	5 567 045	(S)	(S)	(S)	(S)	(S)	(S)	
	Less than \$25,000 -----	(S)	(S)	(S)	(S)	734 591	732 483	6 022 626	(S)	(S)	(S)	(S)	(S)	(S)	
	\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	250 941	250 484	4 096 746	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
	\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	167 632	167 132	1 219 976	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
	\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	127 561	127 070	466 206	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
	Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	188 457	187 797	239 698	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
1711	Plumbing, heating, and air-conditioning -----	161 578	109 325	617 333	54 397 222	92 012	91 343	4 177 569	69 566	17 982	617 333	50 219 653	(W)	(W)	
	\$10,000,000 or more -----	496	13	90 022	10 324 460	—	—	—	496	13	90 022	10 324 460	(W)	(W)	
	\$5,000,000 to \$9,999,999 -----	1 038	22	71 696	7 061 864	4	6	29 634	1 034	16	71 696	7 032 230	(W)	(W)	
	\$2,500,000 to \$4,999,999 -----	2 221	50	82 355	7 723 657	9	3	32 099	2 212	47	82 355	7 691 558	(W)	1	
	\$1,000,000 to \$2,499,999 -----	6 435	432	120 984	9 849 748	81	55	117 716	6 354	377	120 984	9 732 032	1	1	
	\$500,000 to \$999,999 -----	9 343	1 721	89 727	6 490 518	392	355	258 717	8 951	1 366	89 727	6 231 801	1	2	
	\$250,000 to \$499,999 -----	15 413	5 185	79 732	5 417 825	1 619	1 597	542 613	13 794	3 588	79 732	4 875 212	2	2	
	\$100,000 to \$249,999 -----	29 400	16 068	60 983	4 656 054	8 244	8 408	1 217 868	21 156	7 660	60 983	3 438 186	2	1	
	\$50,000 to \$99,999 -----	(S)	(S)	(S)	(S)	13 782	13 759	970 328	(S)	(S)	(S)	(S)	(S)	(S)	
	\$25,000 to \$49,999 -----	(S)	(S)	(S)	(S)	15 513	15 373	559 892	(S)	(S)	(S)	(S)	(S)	(S)	
	Less than \$25,000 -----	(S)	(S)	(S)	(S)	52 368	51 787	448 702	(S)	(S)	(S)	(S)	(S)	(S)	
	\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	19 050	18 837	315 882	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
	\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	11 547	11 410	84 147	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
	\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	8 821	8 715	32 372	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
	Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	12 950	12 825	16 301	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
1731	Electrical work -----	125 159	86 116	509 309	38 863 014	75 723	74 710	2 587 757	49 436	11 406	509 309	36 275 257	(W)	(W)	
	\$10,000,000 or more -----	426	5	96 863	9 366 176	—	—	—	426	5	96 863	9 366 176	(W)	(W)	
	\$5,000,000 to \$9,999,999 -----	727	36	60 692	4 889 450	6	10	40 814	721	26	60 692	4 848 636	(W)	(W)	
	\$2,500,000 to \$4,999,999 -----	1 554	48	68 343	5 350 105	13	14	43 026	1 541	34	68 343	5 307 079	1	1	
	\$1,000,000 to \$2,499,999 -----	4 207	280	90 135	6 440 316	68	66	99 388	4 139	214	90 135	6 340 928	1	1	
	\$500,000 to \$999,999 -----	6 293	972	69 061	4 391 082	196	193	134 586	6 097	779	69 061	4 256 496	2	2	
	\$250,000 to \$499,999 -----	9 477	2 816	55 374	3 291 692	852	816	284 938	8 625	2 000	55 374	3 006 754	2	2	
	\$100,000 to \$249,999 -----	19 559	9 278	48 865	3 098 489	4 389	4 408	650 199	15 170	4 870	48 865	2 448 290	2	2	
	\$50,000 to \$99,999 -----	(S)	(S)	(S)	(S)	8 195	8 132	574 713	(S)	(S)	(S)	(S)	(S)	(S)	
	\$25,000 to \$49,999 -----	(S)	(S)	(S)	(S)	10 592	10 389	379 317	(S)	(S)	(S)	(S)	(S)	(S)	
	Less than \$25,000 -----	(S)	(S)	(S)	(S)	51 412	50 682	380 776	(S)	(S)	(S)	(S)	(S)	(S)	
	\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	15 179	14 948	247 885	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
	\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	10 906	10 720	79 281	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
	\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	9 372	9 258	33 997	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
	Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	15 955	15 756	19 613	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
6552	Land subdividers and developers, n.e.c. ¹ -----	46 909	41 235	39 768	26 624 264	38 954	40 200	19 096 500	7 955	1 035	39 768	7 527 764	2	2	
	\$10,000,000 or more -----	275	292	8 267	6 406 505	190	273	3 956 715	85	19	8 267	2 449 790	1	3	
	\$5,000,000 to \$9,999,999 -----	608	667	3 565	4 191 033	442	625	3 047 619	166	42	3 565	1 143 414	3	8	
	\$2,500,000 to \$4,999,999 -----	1 256	1 274	4 543	4 305 131	950	1 234	3 271 850	306	40	4 543	1 033 281	4	8	
	\$1,000,000 to \$2,499,999 -----	(S)	(S)	(S)	(S)	2 332	2 904	3 645 278	(S)	(S)	(S)	(S)	(S)	(S)	
	\$500,000 to \$999,999 -----	(S)	(S)	(S)	(S)	2 972	3 378	2 101 544	(S)	(S)	(S)	(S)	(S)	(S)	
	\$250,000 to \$499,999 -----	(S)	(S)	(S)	(S)	4 013	4 260	1 426 404	(S)	(S)	(S)	(S)	(S)	(S)	
	\$100,000 to \$249,999 -----	(S)	(S)	(S)	(S)	6 378	6 507	1 032 223	(S)	(S)	(S)	(S)	(S)	(S)	
	\$50,000 to \$99,999 -----	(S)	(S)	(S)	(S)	4 639	4 723	347 134	(S)	(S)	(S)	(S)	(S)	(S)	
	\$25,000 to \$49,999 -----	(S)	(S)	(S)	(S)	4 365	4 175	156 671	(S)	(S)	(S)	(S)	(S)	(S)	
	Less than \$25,000 -----	(S)	(S)	(S)	(S)	(S)	12 118	111 012	(S)	100	(S)	(S)	(S)	(S)	
	\$10,000 to \$24,999 -----	(NA)	(NA)	(NA)	(NA)	4 986	4 800	81 946	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
	\$5,000 to \$9,999 -----	(NA)	(NA)	(NA)	(NA)	2 673	2 552	19 365	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
	\$2,000 to \$4,999 -----	(NA)	(NA)	(NA)	(NA)	1 750	1 749	6 394	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	
	Less than \$2,000 -----	(NA)	(NA)	(NA)	(NA)	3 064	3 017	3 308	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	

¹For establishments without payroll, may include data for an unknown number of cemetery land subdividers and developers.

Table 3. General Statistics for Establishments With Payroll by Industry: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	1987								
		Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Value of construction work	Net value of construction work†	
			All	Construction workers	All employees	Construction workers				
		A	B	C	D	E	F	G	H	
	Construction industries and land subdividers and developers	544 233	5 054 367	3 988 701	111 067 318	79 741 661	6 743 563	499 982 234	367 745 733	
15, 16, 17	Construction Industries	536 277	5 014 599	3 979 385	110 199 890	79 588 693	6 728 542	495 346 313	365 240 580	
15	Building construction—general contractors and operative builders	157 639	1 278 422	925 717	27 870 467	17 204 455	1 533 862	212 628 500	111 019 219	
152	General contractors, residential buildings:									
1521	Single-family houses	90 378	396 291	307 305	6 272 178	4 342 944	470 499	39 098 146	27 319 239	
1522	Other residential buildings	8 143	81 708	61 245	1 751 693	1 130 329	98 455	13 315 544	6 257 443	
1531	Operative builders	20 766	168 940	79 502	4 385 006	1 478 312	135 927	48 959 809	26 837 792	
154	General contractors, nonresidential buildings:									
1541	Industrial buildings and warehouses	7 014	143 001	110 785	3 618 878	2 496 936	195 425	21 461 568	11 094 502	
1542	Nonresidential buildings, n.e.c.	31 337	488 480	366 871	11 842 710	7 755 933	633 554	89 793 431	39 510 241	
16	Heavy construction other than building construction—contractors	36 597	827 126	683 307	20 408 161	15 461 273	1 245 055	82 285 352	68 435 258	
1611	Highway and street construction	10 986	284 380	239 111	7 041 109	5 397 159	439 016	34 161 427	27 983 839	
162	Heavy construction, except highway:									
1622	Bridge, tunnel, and elevated highway construction	1 159	47 494	40 092	1 191 764	909 919	76 210	5 480 936	4 186 846	
1623	Water, sewer, and utility lines	9 919	197 632	165 879	4 513 295	3 427 722	309 168	17 010 019	15 055 297	
1629	Heavy construction, n.e.c.	14 532	297 618	238 204	7 661 992	5 726 472	420 660	25 632 969	21 209 274	
17	Special trade contractors	342 040	2 909 050	2 370 361	61 921 262	46 922 963	3 949 624	200 432 460	185 786 102	
1711	Plumbing, heating, and air-conditioning	69 566	617 333	470 793	14 329 834	10 310 628	844 750	49 503 323	44 517 739	
1721	Painting and paper hanging	29 867	169 968	145 385	2 978 578	2 386 175	223 559	7 953 323	7 445 552	
1731	Electrical work	49 436	509 309	405 961	12 663 516	9 621 993	732 100	35 838 226	34 657 764	
174	Masonry, stonework, tile setting, and plastering:									
1741	Masonry, stone setting, and other stonework	23 284	168 978	150 308	2 946 997	2 461 628	221 510	8 714 161	8 269 188	
1742	Plastering, drywall, and insulation work	17 809	253 563	217 392	5 484 795	4 347 926	350 749	16 426 850	15 137 323	
1743	Terrazzo, tile, marble, and mosaic work	5 089	34 420	27 908	733 959	554 150	44 916	2 271 593	2 181 972	
175	Carpentry and floor work:									
1751	Carpentry	36 009	190 431	164 191	3 272 194	2 609 930	252 984	11 243 863	10 038 947	
1752	Floor laying and other floorwork	8 174	44 579	34 666	906 162	645 485	55 208	3 651 435	3 371 200	
1761	Roofing, siding, and sheet metal work	25 673	231 137	186 916	4 313 694	3 111 000	293 990	15 027 806	14 182 802	
1771	Concrete work	23 422	218 194	186 840	4 174 568	3 278 057	297 487	15 055 670	13 853 510	
1781	Water well drilling	3 414	17 598	13 628	335 171	248 510	25 724	1 330 056	1 299 288	
179	Miscellaneous special trade contractors:									
1791	Structural steel erection	4 017	65 348	54 729	1 593 989	1 231 644	89 451	4 862 655	4 510 231	
1793	Glass and glazing work	4 636	40 511	28 730	919 463	606 646	49 500	3 222 472	3 142 354	
1794	Excavation work	13 422	95 329	79 198	2 059 792	1 597 517	137 093	8 244 398	7 490 988	
1795	Wrecking and demolition work	1 240	14 109	11 686	261 459	195 435	17 545	912 484	844 714	
1796	Installing building equipment, n.e.c.	3 777	62 151	50 244	1 857 748	1 447 481	91 269	5 359 826	5 009 764	
1799	Special trade contractors, n.e.c.	23 198	176 084	141 615	3 089 338	2 268 750	221 784	10 814 313	9 832 759	
6552	Land subdividers and developers, n.e.c.	7 955	39 768	9 316	867 427	152 968	15 021	4 635 921	2 505 153	

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity done during the year.

1987—Con.						1982			Relative standard error of estimate (percent) for column—			1987 SIC code
Value added††	Cost of materials, components, supplies, and fuels	Cost of construction work subcontracted to others	Rental cost for machinery, equipment, and buildings	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts ¹	Value added††				1987 SIC code
I	J	K	L	M	N	O	P	Q	B	H	M	
230 174 083	150 545 463	132 236 501	7 752 741	8 393 671	62 614 884	4 275 070	312 178 494	145 965 137	(W)	(W)	(W)	15, 16, 17
227 934 192	149 871 366	130 105 733	7 717 645	8 281 785	61 447 288	4 234 887	310 168 603	144 946 247	(W)	(W)	(W)	15, 16, 17
65 514 147	51 038 405	101 609 281	1 606 240	1 915 467	14 416 880	993 629	113 239 222	33 587 625	(W)	(W)	1	15
14 969 716 3 658 560	13 356 645 2 876 331	11 778 907 7 058 100	324 844 94 009	515 125 92 709	3 342 100 663 184	309 614 62 702	19 646 355 7 846 146	7 876 520 1 950 601	1 1	1 1	2 4	152 1521 1522
15 173 454	13 152 260	22 122 017	221 562	529 751	4 683 534	107 635	15 607 430	5 492 462	1 1	1 1	3	1531
6 881 749 24 830 667	5 068 052 16 585 116	10 367 065 50 283 190	245 238 720 585	206 643 571 238	1 382 253 4 345 808	153 821 359 856	17 834 735 52 304 554	5 755 674 12 512 366	1 (W)	1 (W)	2 2	154 1541 1542
44 940 458	26 882 015	13 850 093	2 847 296	2 873 734	23 183 620	852 065	67 271 540	36 060 008	(W) (W)	(W) (W)	1	16
17 119 634	12 230 814	6 177 587	1 258 625	1 353 924	11 055 764	212 610	18 157 364	8 633 319	(W) (W)	(W) (W)	1	1611
2 430 434 10 089 749 15 300 639	1 854 889 5 210 516 7 585 796	1 294 090 1 954 721 4 423 695	129 896 625 417 833 356	151 743 695 713 672 353	1 301 176 4 993 249 5 833 429	37 581 186 674 415 199	3 503 890 11 952 831 33 657 455	1 468 448 7 005 322 18 952 918	1 (W) (W)	1 (W) (W)	2 2	162 1622 1623 1629
117 479 586	71 950 944	14 646 357	3 264 107	3 492 583	23 846 788	2 389 193	129 657 840	75 298 612	(W) (W)	(W) (W)	1	17
25 911 790	19 322 278	4 985 584	664 587	720 556	4 999 938	512 004	32 661 277	16 961 501	(W) (W)	(W) (W)	1	1711
5 716 473	1 803 729	507 770	123 717	147 339	873 623	136 130	4 652 154	3 359 932	1 1	1 4	4	1721
21 816 585	13 278 209	1 180 462	440 512	495 613	3 336 958	434 764	25 948 527	15 122 619	(W) (W)	(W) (W)	1	1731
5 475 753 9 747 631 1 317 632	2 857 863 5 713 635 908 461	444 973 1 289 527 89 620	116 663 193 519 21 061	157 073 197 843 37 611	924 180 1 135 122 201 181	120 600 199 790 25 434	4 269 394 9 847 453 1 190 627	2 667 213 6 009 367 666 031	1 1 1	1 1 1	3 2 8	174 1741 1742 1743
6 077 619 1 880 303	4 169 640 1 611 426	1 204 915 280 234	112 598 45 168	147 868 41 437	854 789 286 154	132 543 32 349	5 451 191 1 793 756	2 928 660 913 316	1 2	1 1	3 5	175 1751 1752
8 524 431	5 889 456	845 003	215 477	249 240	1 806 667	191 489	9 836 510	5 459 875	1 1	1 2	2	1761
8 443 003	5 566 885	1 202 160	346 382	366 126	2 516 592	157 241	8 207 000	4 491 568	1 1	1 2	2	1771
779 621	557 958	30 768	17 527	61 724	637 309	17 153	1 013 886	577 507	2 2	2 5	5	1781
3 253 345 1 700 519 5 707 716	1 398 113 1 652 613 1 991 245	352 424 80 118 753 409	128 315 56 999 459 004	71 250 37 209 465 538	654 807 270 720 3 271 670	61 588 35 843 135 968	3 540 666 2 422 274 8 181 330	2 376 184 1 297 853 5 507 225	1 1 1	1 1 1	3 4 3	179 1791 1793 1794
781 854 3 723 074 6 622 229	109 210 1 429 798 3 690 418	67 769 76 798 981 554	47 066 49 079 198 704	40 895 426 319 206 173	273 906 60 169 1 376 845	8 402 4 189 275 127 727	376 895 313 761 6 076 411	3 694 404	1 1 1	2 2 1	8 3 3	1795 1796 1799
2 239 891	674 096	2 130 768	35 096	111 885	1 167 595	40 183	2 009 890	1 018 890	2 3	3 9	9	6552

Table 4. Detailed Statistics for Establishments With Payroll by Industry Group: 1987

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Construction industries and land subdividers and developers	Construction industries				Land subdividers and developers, n.e.c.	Relative standard error of estimate (percent) for column—						
		Total	Building construction—general contractors and operative builders	Heavy construction other than building construction—contractors	Special trade contractors		A	B	C	D	E	F	
							A	B	C	D	E	F	
Number of establishments in business during year -----	544 233	536 277	157 639	36 597	342 040	7 955	(W)	(W)	(W)	1	(W)	2	
Proprietors and working partners -----	139 737	138 701	34 971	7 110	96 620	1 035	1	1	1	3	1	9	
All employees** -----	5 054 367	5 014 599	1 278 422	827 126	2 909 050	39 768	(W)	(W)	(W)	(W)	(W)	2	
Construction workers:													
March -----	3 649 834	3 641 190	866 593	572 514	2 202 081	8 644	(W)	(W)	(W)	(W)	(W)	3	
May -----	4 022 737	4 013 102	925 726	705 876	2 381 499	9 635	(W)	(W)	(W)	(W)	(W)	3	
August -----	4 282 447	4 272 272	990 623	752 713	2 528 934	10 174	(W)	(W)	(W)	(W)	(W)	3	
November -----	3 999 788	3 990 977	919 925	702 123	2 368 928	8 810	(W)	(W)	(W)	(W)	(W)	3	
Average -----	3 988 701	3 979 385	925 717	683 307	2 370 361	9 316	(W)	(W)	(W)	(W)	(W)	3	
Other employees:													
March -----	1 051 023	1 020 821	346 752	142 258	531 810	30 201	(W)	(W)	(W)	(W)	(W)	2	
May -----	1 059 048	1 029 152	352 217	143 452	533 482	29 895	(W)	(W)	(W)	(W)	(W)	2	
August -----	1 080 715	1 049 249	359 265	145 612	544 371	31 465	(W)	(W)	(W)	(W)	(W)	2	
November -----	1 072 256	1 042 012	352 605	144 013	545 394	30 244	(W)	(W)	(W)	(W)	(W)	2	
Average -----	1 065 760	1 035 309	352 710	143 834	538 764	30 451	(W)	(W)	(W)	(W)	(W)	2	
Construction worker hours (thousands):													
January to March -----	1 482 914	1 479 496	348 024	244 922	886 549	3 418	(W)	(W)	(W)	(W)	(W)	4	
April to June -----	1 705 168	1 701 300	385 520	322 158	993 621	3 867	(W)	(W)	(W)	(W)	(W)	4	
July to September -----	1 845 221	1 841 151	413 734	356 918	1 070 499	4 069	(W)	(W)	(W)	(W)	(W)	4	
October to December -----	1 710 259	1 706 593	386 583	321 056	998 954	3 665	(W)	(W)	(W)	(W)	(W)	4	
Total hours worked -----	6 743 563	6 728 542	1 533 862	1 245 055	3 949 624	15 021	(W)	(W)	(W)	(W)	(W)	4	
Payroll, all employees -----	111 067 318	110 199 890	27 870 467	20 408 161	61 921 262	867 427	(W)	(W)	(W)	(W)	(W)	2	
Payroll, construction workers -----	79 741 661	79 588 693	17 204 455	15 461 273	46 922 963	152 968	(W)	(W)	(W)	(W)	(W)	3	
Payroll, other employees -----	31 325 656	30 611 197	10 666 011	4 946 887	14 998 298	714 459	(W)	(W)	(W)	(W)	(W)	2	
First quarter payroll, all employees -----	24 368 479	24 166 639	6 327 481	4 083 699	13 755 459	201 839	(W)	(W)	(W)	(W)	(W)	2	
Employer costs for fringe benefits, all employees -----	24 936 641	24 793 260	5 838 972	4 919 667	14 034 620	143 381	(W)	(W)	(W)	(W)	(W)	2	
Legally required expenditures -----	17 015 195	16 908 659	4 080 599	3 238 955	9 589 104	106 535	(W)	(W)	(W)	(W)	(W)	2	
Voluntary expenditures -----	7 921 445	7 884 600	1 758 372	1 680 712	4 445 515	36 845	(W)	(W)	(W)	(W)	(W)	2	
Dollar value of business done -----	522 465 362	514 937 598	225 188 140	85 672 568	204 076 888	7 527 764	(W)	(W)	(W)	(W)	(W)	2	
Value of construction work ¹ -----	499 982 234	495 346 313	212 628 500	82 285 352	200 432 460	4 635 921	(W)	(W)	(W)	(W)	(W)	2	
Value of construction work subcontracted in from others -----	118 805 018	118 720 568	8 470 170	14 524 273	95 726 123	84 450	(W)	(W)	(W)	2	(W)	14	
Other business and land receipts -----	22 483 128	19 591 286	12 559 641	3 387 216	3 644 428	2 891 842	1	(W)	1	(W)	1	2	
Net value of construction work† -----	367 745 733	365 240 580	111 019 219	68 435 258	185 786 102	2 505 153	(W)	(W)	(W)	(W)	(W)	3	
Value added†† -----	230 174 083	227 934 192	65 514 147	44 940 458	117 479 586	2 239 891	(W)	(W)	(W)	(W)	(W)	3	
Selected costs -----	282 781 966	279 977 100	152 647 687	40 732 110	86 597 302	2 804 865	(W)	(W)	(W)	(W)	(W)	3	
Materials, components, and supplies -----	142 839 360	142 232 704	49 315 553	24 517 891	68 399 259	606 656	(W)	(W)	(W)	(W)	(W)	4	
Construction work subcontracted to others -----	132 236 501	130 105 733	101 609 281	13 850 093	14 646 357	2 130 768	(W)	(W)	(W)	(W)	(W)	3	
Selected power, fuels, and lubricants -----	7 706 103	7 638 662	1 722 852	2 364 124	3 551 685	67 440	(W)	(W)	(W)	(W)	(W)	2	
Electricity -----	1 112 807	1 089 310	405 976	214 108	469 225	23 497	(W)	(W)	(W)	1	(W)	3	
Natural gas -----	306 133	303 468	94 083	91 924	117 460	2 665	(W)	(W)	(W)	1	(W)	7	
Gasoline and diesel fuel -----	5 761 611	5 726 658	1 119 785	1 864 686	2 742 186	34 952	(W)	(W)	(W)	1	(W)	2	
On highway use -----	4 156 234	4 125 206	973 662	853 122	2 298 420	31 028	(W)	(W)	(W)	2	(W)	2	
Off highway use -----	1 605 376	1 601 452	146 122	1 011 563	443 765	3 924	(W)	(W)	(W)	2	(W)	1	
Other, including lubricating oils and greases -----	525 551	519 226	103 007	193 405	222 814	6 325	(W)	(W)	(W)	1	(W)	4	
Rental cost for machinery, equipment, and buildings -----	7 752 741	7 717 645	1 606 240	2 847 296	3 264 107	35 096	(W)	(W)	1	1	(W)	3	
For machinery and equipment -----	5 452 793	5 441 522	951 880	2 582 690	1 906 951	11 270	(W)	(W)	1	1	1	5	
For buildings -----	2 299 948	2 276 122	654 360	264 605	1 357 156	23 826	(W)	(W)	1	1	1	4	
Selected purchased services -----	7 616 501	7 539 794	1 468 806	2 856 478	3 214 510	76 706	(W)	(W)	1	(W)	(W)	4	
Communication services -----	2 080 346	2 050 017	621 785	270 096	1 158 136	30 328	(W)	(W)	1	1	(W)	3	
Repairs to buildings and other structures -----	450 924	436 678	145 695	77 564	213 418	14 246	1	1	2	1	1	17	
Repairs to machinery and equipment -----	5 085 230	5 053 099	701 325	2 508 817	1 842 955	32 131	(W)	(W)	1	(W)	1	3	
Ownership of construction projects:													
Value of construction work -----	499 982 234	495 346 313	212 628 500	82 285 352	200 432 460	4 635 921	(W)	(W)	(W)	(W)	(W)	2	
Government owned -----	98 365 575	98 300 968	25 813 348	44 273 418	28 214 201	64 607	(W)	(W)	1	(W)	1	19	
Federal -----	26 441 269	26 434 306	8 113 150	9 701 517	8 619 639	6 962	1	1	1	1	1	20	
State and local -----	71 924 306	71 866 661	17 700 198	34 571 901	19 594 562	57 645	(W)	(W)	1	(W)	1	21	
Privately owned -----	401 616 659	397 045 345	186 815 151	38 011 934	172 218 259	4 571 314	(W)	(W)	(W)	(W)	(W)	3	

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity done during the year.

Table 5. Detailed Statistics for Establishments With Payroll by Industry Group: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Construction industries and land subdividers and developers	Construction industries				Land subdividers and developers, n.e.c.	Relative standard error of estimate (percent) for column—					
		Total	Building construction—general contractors and operative builders	Heavy construction other than building construction—contractors	Special trade contractors							
		A	B	C	D		A	B	C	D	E	F
Number of establishments in business during year -----	456 701	450 776	123 180	28 187	299 408	5 925	(W)	(W)	(W)	1	(W)	2
Proprietors and working partners -----	159 553	158 821	36 698	6 285	115 837	732	1	1	1	2	1	6
All employees** -----	4 275 070	4 234 887	993 629	852 065	2 389 193	40 183	(W)	(W)	(W)	(W)	(W)	1
Construction workers:												
March -----	3 176 450	3 162 146	709 339	635 693	1 817 114	14 303	(W)	(W)	(W)	(W)	(W)	1
May -----	3 473 450	3 458 044	758 126	725 603	1 974 315	15 405	(W)	(W)	(W)	(W)	(W)	2
August -----	3 611 601	3 596 323	786 920	745 133	2 064 269	15 278	(W)	(W)	(W)	(W)	(W)	2
November -----	3 372 635	3 357 768	725 876	694 215	1 937 676	14 867	(W)	(W)	(W)	(W)	(W)	2
Average -----	3 453 239	3 438 096	756 470	702 726	1 978 900	15 142	(W)	(W)	(W)	(W)	(W)	1
Other employees:												
March -----	813 365	791 136	233 614	148 799	408 723	22 228	(W)	(W)	(W)	(W)	(W)	1
May -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
August -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
November -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Average -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Construction worker hours (thousands):												
January to March -----	1 259 303	1 253 142	281 498	273 580	698 063	6 160	(W)	(W)	(W)	(W)	(W)	2
April to June -----	1 411 010	1 404 273	307 960	323 686	772 625	6 737	(W)	(W)	(W)	(W)	(W)	2
July to September -----	1 510 267	1 503 977	330 712	357 048	816 215	6 290	(W)	(W)	(W)	(W)	(W)	2
October to December -----	1 387 431	1 381 381	295 844	321 090	764 447	6 049	(W)	(W)	(W)	(W)	(W)	2
Total hours worked -----	5 568 012	5 542 774	1 216 015	1 275 406	3 051 352	25 237	(W)	(W)	(W)	(W)	(W)	2
Payroll, all employees -----	78 665 661	78 096 997	17 048 609	19 443 725	41 604 663	568 664	(W)	(W)	(W)	(W)	(W)	1
Payroll, construction workers -----	60 174 654	60 017 255	11 647 029	15 359 444	33 010 781	157 399	(W)	(W)	(W)	(W)	(W)	1
Payroll, other employees -----	18 491 007	18 079 742	5 401 579	4 084 280	8 593 882	411 264	(W)	(W)	(W)	(W)	(W)	1
First quarter payroll, all employees -----	17 443 454	17 307 897	3 979 123	3 983 116	9 345 657	135 557	(W)	(W)	(W)	(W)	(W)	1
Employer costs for fringe benefits, all employees -----	14 444 427	14 336 428	3 131 335	3 462 571	7 742 521	107 998	(W)	(W)	(W)	(W)	(W)	1
Legally required expenditures -----	10 745 740	10 668 221	2 330 260	2 528 128	5 809 832	77 518	(W)	(W)	(W)	(W)	(W)	1
Voluntary expenditures -----	3 698 686	3 668 206	801 074	934 443	1 932 688	30 480	(W)	(W)	(W)	(W)	(W)	1
All business receipts -----	324 512 432	321 087 900	117 099 771	71 023 574	132 964 554	3 424 531	(W)	(W)	(W)	(W)	(W)	1
Total construction receipts ¹ -----	312 178 494	310 168 603	113 239 222	67 271 540	129 657 840	2 009 890	(W)	(W)	(W)	(W)	(W)	1
Receipts for work subcontracted in from others -----	69 838 064	69 796 992	3 335 543	6 775 037	59 686 411	41 072	(W)	(W)	(W)	(W)	(W)	7
Other business and land receipts -----	12 333 937	10 919 296	3 860 549	3 752 034	3 306 713	1 414 641	(W)	(W)	(W)	(W)	(W)	1
Net construction receipts† -----	233 267 426	232 004 890	57 367 100	54 653 951	119 983 838	1 262 536	(W)	(W)	(W)	(W)	(W)	1
Value added†† -----	145 965 137	144 946 247	33 587 625	36 060 008	75 298 612	1 018 890	(W)	(W)	(W)	(W)	(W)	1
Selected costs -----	176 166 141	174 091 963	81 462 456	34 963 566	57 665 941	1 174 177	(W)	(W)	(W)	(W)	(W)	1
Materials, components, and supplies -----	90 248 568	89 897 893	24 533 550	20 266 074	45 098 268	350 675	(W)	(W)	(W)	(W)	(W)	2
Construction work subcontracted to others -----	78 911 067	78 163 713	55 872 122	12 617 589	9 674 001	747 354	(W)	(W)	(W)	(W)	(W)	1
Selected power, fuels, and lubricants -----	6 106 506	6 030 357	1 056 783	2 079 902	2 893 671	76 148	(W)	(W)	(W)	(W)	(W)	1
Electricity -----	848 737	823 743	263 917	225 047	334 778	24 993	(W)	(W)	(W)	1	(W)	2
Natural gas -----	269 949	265 235	58 398	96 233	110 603	4 714	1	1	1	1	1	4
Gasoline and diesel fuel -----	4 573 509	4 534 086	659 877	1 609 286	2 264 922	39 423	(W)	(W)	(W)	(W)	(W)	1
On highway use -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Off highway use -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Other, including lubricating oils and greases -----	414 309	407 292	74 590	149 334	183 367	7 017	(W)	(W)	1	1	1	1
Rental cost for machinery, equipment, and buildings -----	4 511 827	4 494 324	864 386	1 728 453	1 901 484	17 502	(W)	(W)	(W)	(W)	(W)	3
For machinery and equipment -----	3 404 164	3 396 587	596 959	1 537 044	1 262 583	7 577	(W)	(W)	1	(W)	1	3
For buildings -----	1 107 662	1 097 737	267 426	191 409	638 901	9 925	(W)	(W)	1	(W)	(W)	3
Selected purchased services -----	5 010 656	4 946 320	845 269	1 854 651	2 246 399	64 335	(W)	(W)	(W)	(W)	(W)	2
Communication services -----	1 328 614	1 308 521	351 803	228 510	728 207	20 092	(W)	(W)	(W)	(W)	(W)	2
Repairs to buildings and other structures -----	280 607	272 343	79 557	52 380	140 405	8 263	1	1	1	1	1	4
Repairs to machinery and equipment -----	3 401 434	3 365 455	413 908	1 573 760	1 377 786	35 979	(W)	(W)	1	(W)	(W)	2
Ownership of construction projects:												
Total construction receipts ¹ -----	312 178 494	310 168 603	113 239 222	67 271 540	129 657 840	2 009 890	(W)	(W)	(W)	(W)	(W)	1
Government owned -----	61 990 615	61 950 418	14 537 499	28 482 304	18 930 614	(S)	(W)	(W)	1	(W)	(W)	(S)
Federal -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
State and local -----	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Privately owned -----	250 187 879	248 218 185	98 701 722	38 789 236	110 727 226	(S)	(W)	(W)	(W)	(W)	(W)	(S)

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity done during the year.

Table 6. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll by Industry Group: 1987

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Construction industries and land subdividers and developers	Construction industries				Land subdividers and developers, n.e.c.	Relative standard error of estimate (percent) for column—						
		Total	Building construction—general contractors and operative builders	Heavy construction other than building construction—contractors	Special trade contractors		A	B	C	D	E	F	
		A	B	C	D		A	B	C	D	E	F	
BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT													
Beginning-of-year gross book value of depreciable assets -----	57 760 610	56 583 767	13 370 117	21 870 669	21 342 980	1 176 843	(W)	(W)	1	1	1	6	
Capital expenditures, other than land -----	8 393 671	8 281 785	1 915 467	2 873 734	3 492 583	111 885			1	1	1	9	
New -----	6 552 560	6 453 092	1 537 901	2 199 684	2 715 507	99 468	1	1	1	1	1	10	
Used -----	1 841 110	1 828 692	377 566	674 050	777 076	12 417	1	1	2	2	1	10	
Retirements and disposition of depreciable assets -----	3 539 397	3 418 264	868 704	1 560 784	988 775	121 133	1	1	2	2	2	21	
End-of-year gross book value of depreciable assets-----	62 614 884	61 447 288	14 416 880	23 183 620	23 846 788	1 167 595	(W)	(W)	1	1	1	5	
Depreciation charges during year-----	7 478 177	7 358 891	1 690 134	2 551 140	3 117 616	119 285	(W)	(W)	1	1	1	7	
Buildings and Other Structures, Additions, and Related Facilities													
Beginning-of-year gross book value of depreciable assets -----	12 386 056	11 759 038	5 138 269	1 955 533	4 665 235	627 018	1	1	2	1	1	9	
Capital expenditures, other than land -----	1 329 515	1 262 843	569 075	237 847	455 920	66 671	1	1	2	2	2	14	
New buildings and other structures -----	993 107	930 263	446 093	189 283	294 886	62 844	2	2	3	2	2	14	
Used buildings and other structures -----	336 407	332 580	122 982	48 563	161 033	3 827	2	2	4	6	3	20	
Retirements and disposition of depreciable assets -----	713 046	614 778	369 730	111 534	133 513	98 267	4	3	5	2	4	25	
End-of-year gross book value of depreciable assets-----	13 002 525	12 407 103	5 337 615	2 081 845	4 987 642	595 422	1	1	2	1	1	6	
Depreciation charges during year-----	1 104 227	1 047 944	445 161	171 554	431 228	56 282	1	1	2	1	1	7	
Machinery and Equipment													
Beginning-of-year gross book value of depreciable assets -----	45 374 554	44 824 728	8 231 847	19 915 136	16 677 744	549 825	(W)	(W)	1	1	1	6	
Capital expenditures, other than land -----	7 064 155	7 018 941	1 346 391	2 635 887	3 036 663	45 213			1	1	1	7	
New machinery and equipment, including automobiles and trucks -----	5 559 453	5 522 829	1 091 807	2 010 400	2 420 620	36 623	1	1	1	1	1	8	
New automobiles and trucks, intended primarily for highway use -----	2 573 143	2 558 832	578 343	575 524	1 404 964	14 310	1	1	1	1	1	9	
Used machinery and equipment, including automobiles and trucks -----	1 504 702	1 496 112	254 583	625 486	616 042	8 590	1	1	2	1	1	11	
Retirements and disposition of depreciable assets -----	2 826 351	2 803 485	498 974	1 449 249	855 261	22 865	1	1	1	2	2	12	
End-of-year gross book value of depreciable assets-----	49 612 358	49 040 185	9 079 264	21 101 774	18 859 145	572 173	(W)	(W)	1	1	1	6	
Depreciation charges during year-----	6 373 949	6 310 946	1 244 973	2 379 586	2 686 387	63 003	(W)	(W)	1	1	1	8	

Table 7. Assets, Capital Expenditures, and Depreciation for Establishments With Payroll by Industry Group: 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Construction industries and land subdividers and developers	Construction industries				Land subdividers and developers, n.e.c.	Relative standard error of estimate (percent) for column—					
		Total	Building construction—general contractors and operative builders	Heavy construction other than building construction—contractors	Special trade contractors		A	B	C	D	E	F
		A	B	C	D		F	A	B	C	D	E
BUILDINGS AND OTHER STRUCTURES, MACHINERY, AND EQUIPMENT												
Beginning-of-year gross book value of depreciable assets	54 149 088	52 904 810	11 631 853	19 307 571	21 965 386	1 244 277	(W)	(W)	(W)	(W)	(W)	1
Capital expenditures, other than land	5 222 516	5 151 611	1 258 359	1 645 372	2 247 879	70 905	(W)	(W)	1	(W)	(W)	2
New	3 869 890	3 815 901	990 983	1 189 203	1 635 714	53 989	(W)	(W)	1	(W)	(W)	3
Used	1 352 626	1 335 710	267 376	456 169	612 165	16 916	1	1	1	1	1	2
Retirements and disposition of depreciable assets	2 628 938	2 527 773	768 106	924 075	835 592	101 164	1	1	2	1	2	1
End-of-year gross book value of depreciable assets	56 742 666	55 528 648	12 122 106	20 028 868	23 377 673	1 214 018	(W)	(W)	(W)	(W)	(W)	1
Depreciation charges during year	6 818 039	6 719 166	1 332 812	2 181 779	3 204 574	98 872	(W)	(W)	1	(W)	(W)	1
Buildings and Other Structures, Additions, and Related Facilities												
Beginning-of-year gross book value of depreciable assets	10 413 554	9 641 005	3 858 266	1 854 093	3 928 645	772 549	(W)	(W)	1	1	1	1
Capital expenditures, other than land	970 631	938 511	459 762	188 791	289 958	32 119	1	1	1	1	1	4
New buildings and other structures	806 623	776 167	401 372	154 128	220 667	30 455	1	1	1	1	1	5
Used buildings and other structures	164 008	162 344	58 390	34 663	69 290	1 664	2	2	4	2	2	10
Retirements and disposition of depreciable assets	630 983	560 126	395 380	68 722	96 024	70 857	2	2	3	(W)	3	1
End-of-year gross book value of depreciable assets	10 753 138	10 019 326	3 922 583	1 974 162	4 122 580	733 812	(W)	(W)	1	1	1	1
Depreciation charges during year	912 232	873 489	317 942	151 680	403 866	38 742	(W)	1	1	1	1	1
Machinery and Equipment												
Beginning-of-year gross book value of depreciable assets	43 735 670	43 263 942	7 773 704	17 453 477	18 036 760	471 728	(W)	(W)	1	(W)	(W)	1
Capital expenditures, other than land	4 251 884	4 213 099	798 597	1 456 580	1 957 921	38 785	(W)	(W)	1	(W)	(W)	2
New machinery and equipment, including automobiles and trucks	3 063 266	3 039 733	589 611	1 035 074	1 415 047	23 533	(W)	(W)	1	(W)	1	3
New automobiles and trucks, intended primarily for highway use	1 214 784	1 204 537	269 294	250 738	684 504	10 247	1	1	1	1	1	5
Used machinery and equipment, including automobiles and trucks	1 188 618	1 173 366	208 985	421 506	542 874	15 251	1	1	1	1	1	2
Retirements and disposition of depreciable assets	1 998 071	1 967 764	372 843	855 352	739 567	30 307	1	1	2	1	2	1
End-of-year gross book value of depreciable assets	45 989 484	45 509 277	8 199 458	18 054 705	19 255 113	480 206	(W)	(W)	1	(W)	(W)	1
Depreciation charges during year	5 905 807	5 845 677	1 014 870	2 030 098	2 800 708	60 129	(W)	(W)	1	(W)	(W)	1

Table 8. Value of Inventories for Establishments With Payroll by Industry Group: 1987 and 1986

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Construction industries and land subdividers and developers	Construction industries				Land subdividers and developers, n.e.c.	Relative standard error of estimate (percent) for column—					
		Total	Building construction—general contractors and operative builders	Heavy construction other than building construction—contractors	Special trade contractors		A	B	C	D	E	F
		A	B	C	D		F	A	B	C	D	E
All establishments:												
Number	544 233	536 277	157 639	36 597	342 040	7 955	(W)	(W)	(W)	1	(W)	2
Value of construction work	499 982 234	495 346 313	212 628 500	82 285 352	200 432 460	4 635 921	(W)	(W)	(W)	(W)	(W)	2
Establishments with inventories:												
Number	201 486	198 904	59 938	10 842	128 124	2 582	(W)	(W)	1	2	1	4
Value of construction work	241 418 018	239 045 200	99 052 531	32 329 916	107 662 753	2 372 818	(W)	(W)	1	1	(W)	5
Inventories: ¹												
End of 1987, materials and supplies	6 305 799	6 216 113	1 805 445	671 402	3 739 266	89 686	1	1	3	1	1	13
End of 1986, materials and supplies	5 811 193	5 717 534	1 550 818	667 561	3 499 155	93 659	1	1	3	1	1	27
Establishments with no inventories:												
Number	256 433	253 028	76 510	20 335	156 183	3 405	(W)	(W)	1	1	1	4
Value of construction work	178 113 714	176 781 502	81 051 693	36 653 493	59 076 316	1 332 212	(W)	(W)	1	1	1	5
Establishments not reporting:												
Number	86 303	84 335	21 190	5 419	57 726	1 968	1	1	2	3	1	5
Value of construction work	80 450 492	79 519 601	32 524 274	13 301 942	33 693 385	930 891	(W)	(W)	1	1	1	6

¹Inventories at cost or market prior to any adjustment to correct to LIFO values.

Table 9. Selected Statistics for Establishments With Payroll by Industry Group and Employment Size Class: 1987

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
CONSTRUCTION INDUSTRIES AND LAND SUBDIVIDERS AND DEVELOPERS										
Number of establishments -----	544 233	314 518	116 144	63 508	35 714	9 348	3 949	772	202	77
All employees** -----	5 054 367	629 479	744 082	839 840	1 054 982	631 208	577 609	257 898	134 406	184 863
Payroll, all employees -----	111 067 318	9 272 195	12 834 193	16 974 036	24 680 048	16 160 196	15 596 824	7 057 629	3 431 540	5 060 657
Construction worker hours (thousands) -----	6 743 563	748 949	903 041	1 075 120	1 439 454	916 805	850 467	376 802	190 545	242 381
Dollar value of business done -----	522 465 362	61 493 013	60 958 377	75 580 550	108 278 640	73 096 951	73 528 332	34 199 974	17 237 968	18 091 558
Value of construction work -----	499 982 234	58 343 830	58 261 629	72 671 725	104 319 390	70 586 298	70 381 879	32 651 482	16 470 764	16 295 238
Net value of construction work† -----	367 745 733	44 693 143	45 933 093	56 727 844	78 194 018	50 710 344	48 057 899	21 578 564	10 924 254	10 926 575
Value added†† -----	230 174 083	25 388 412	27 733 242	34 970 078	48 987 655	31 821 146	31 146 583	14 524 057	7 124 694	8 478 217
Cost of materials, components, supplies, and fuels -----	150 545 463	20 309 384	19 336 002	23 321 779	31 500 181	20 374 971	19 050 519	8 251 708	8 400 922	(D)
Cost of construction work subcontracted to others -----	132 236 501	13 650 687	12 328 535	15 943 881	26 125 373	19 875 954	22 323 981	11 072 918	5 546 510	5 368 663
Rental cost for machinery, equipment, and buildings -----	7 752 741	610 216	846 140	1 121 356	1 689 831	1 241 113	1 213 404	548 226	243 006	239 450
Capital expenditures, other than land -----	8 393 671	1 086 095	1 179 556	1 369 289	1 838 354	1 071 398	1 023 829	484 380	231 588	109 182
End-of-year gross book value of depreciable assets -----	62 614 884	8 373 529	8 456 039	9 791 791	13 268 361	8 341 733	7 869 934	3 737 082	1 516 745	1 259 672
Relative standard error of estimate (percent)										
All employees** -----	(W)	(W)	1	1	(W)	(W)	(W)	(W)	(W)	(W)
Net value of construction work -----	(W)	1	1	1	(W)	(W)	(W)	(W)	(W)	(W)
Value added†† -----	(W)	1	1	1	(W)	(W)	(W)	(W)	(W)	(W)
CONSTRUCTION INDUSTRIES										
Number of establishments -----	536 277	308 336	115 120	63 067	35 476	9 307	3 926	771	198	76
All employees** -----	5 014 599	619 270	737 572	834 011	1 048 003	628 528	831 897	(D)	315 319	(D)
Payroll, all employees -----	110 199 890	9 056 914	12 679 653	16 843 978	24 532 870	16 096 657	22 582 792	(D)	8 407 027	(D)
Construction worker hours (thousands) -----	6 728 542	746 150	899 911	1 072 559	1 436 486	915 767	1 225 811	(D)	431 859	(D)
Dollar value of business done -----	514 937 598	59 341 203	59 421 273	74 496 963	107 195 795	72 422 616	107 311 183	(D)	34 748 565	(D)
Value of construction work -----	495 346 313	57 003 686	57 331 421	72 045 916	103 647 657	70 186 791	102 767 671	(D)	32 363 171	(D)
Net value of construction work† -----	365 240 580	43 962 994	45 419 314	56 320 846	77 785 583	50 511 312	69 517 249	(D)	21 723 283	(D)
Value added†† -----	227 934 192	24 732 300	27 309 978	34 592 753	48 616 930	31 643 197	45 554 920	(D)	15 484 115	(D)
Cost of materials, components, supplies, and fuels -----	149 871 366	20 146 619	19 194 134	23 216 280	31 393 832	20 309 926	27 265 571	(D)	8 345 007	(D)
Cost of construction work subcontracted to others -----	130 105 733	13 040 692	11 912 107	15 725 071	25 862 074	19 675 479	33 250 423	(D)	10 639 888	(D)
Rental cost for machinery, equipment, and buildings -----	7 717 645	600 762	839 797	1 115 359	1 682 232	1 237 504	1 760 153	(D)	481 837	(D)
Capital expenditures, other than land -----	8 281 785	1 047 869	1 172 213	1 357 231	1 818 774	1 059 438	1 500 304	(D)	325 958	(D)
End-of-year gross book value of depreciable assets -----	61 447 288	8 074 799	8 256 438	9 577 405	13 072 891	8 234 732	11 548 043	(D)	2 682 983	(D)
Relative standard error of estimate (percent)										
All employees** -----	(W)	(W)	1	1	(W)	(W)	(W)	(D)	(W)	(D)
Net value of construction work -----	(W)	1	1	1	(W)	(W)	(W)	(D)	(W)	(D)
Value added†† -----	(W)	1	1	1	(W)	(W)	(W)	(D)	(W)	(D)
BUILDING CONSTRUCTION—GENERAL CONTRACTORS AND OPERATIVE BUILDERS										
Number of establishments -----	157 639	97 893	32 063	15 946	8 411	2 163	882	205	55	22
All employees** -----	1 278 422	196 019	203 223	210 677	246 739	145 425	129 751	67 150	36 527	42 911
Payroll, all employees -----	27 870 467	3 095 855	3 578 191	4 307 431	5 758 267	3 690 041	3 507 707	1 777 650	989 507	1 165 819
Construction worker hours (thousands) -----	1 533 862	206 170	229 365	248 679	306 535	190 109	166 973	81 218	45 314	59 500
Dollar value of business done -----	225 188 140	31 381 728	26 698 948	31 021 355	42 839 161	29 870 951	31 790 444	15 530 958	8 412 600	7 641 997
Value of construction work -----	212 628 500	29 447 570	25 214 125	29 472 655	40 723 755	28 527 489	29 746 782	14 480 544	15 015 580	(D)
Net value of construction work† -----	111 019 219	18 532 471	15 605 440	17 015 364	20 732 999	13 420 374	12 848 640	5 903 901	6 960 030	(D)
Value added†† -----	65 514 147	9 271 895	8 554 223	9 739 936	12 368 389	8 212 788	8 531 014	4 008 965	2 581 207	2 245 731
Cost of materials, components, supplies, and fuels -----	51 038 405	9 773 141	7 530 986	7 861 269	9 157 057	5 757 032	5 461 734	2 604 634	2 892 554	(D)
Cost of construction work subcontracted to others -----	101 609 281	10 915 100	9 608 685	12 457 290	19 990 756	15 107 116	16 898 142	8 576 643	4 071 112	3 984 438
Rental cost for machinery, equipment, and buildings -----	1 606 240	182 480	196 214	236 781	313 620	216 074	227 477	124 843	44 204	64 549
Capital expenditures, other than land -----	1 915 467	333 881	301 887	301 088	371 567	190 306	226 655	104 822	40 268	44 993
End-of-year gross book value of depreciable assets -----	14 416 880	2 832 170	2 293 707	2 248 658	2 653 830	1 490 040	1 543 054	534 800	285 842	534 779
Relative standard error of estimate (percent)										
All employees** -----	(W)	1	1	1	1	1	(W)	(W)	(W)	(W)
Net value of construction work -----	(W)	1	1	1	(W)	(W)	(W)	(W)	(W)	(W)
Value added†† -----	(W)	1	2	1	(W)	(W)	(W)	(W)	(W)	(W)

See footnotes at end of table.

Table 9. Selected Statistics for Establishments With Payroll by Industry Group and Employment Size Class: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with an average of—								
		1 to 4 employees	5 to 9 employees	10 to 19 employees	20 to 49 employees	50 to 99 employees	100 to 249 employees	250 to 499 employees	500 to 999 employees	1,000 employees or more
HEAVY CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION—CONTRACTORS										
Number of establishments	36 597	14 869	7 407	6 128	5 097	1 816	927	238	75	40
All employees**	827 126	30 414	49 010	82 544	154 729	124 795	138 373	80 006	52 097	115 157
Payroll, all employees	20 408 161	481 845	947 198	1 765 180	3 675 384	3 169 294	3 708 095	2 145 427	1 263 653	3 252 085
Construction worker hours (thousands)	1 245 055	38 684	65 801	113 142	236 366	201 135	226 860	131 401	79 533	152 132
Dollar value of business done	85 672 568	2 679 902	4 171 900	7 811 517	16 389 073	14 274 828	16 718 882	9 572 735	5 255 608	8 798 126
Value of construction work	82 285 352	2 620 911	4 089 885	7 651 072	15 967 964	13 905 550	16 109 113	9 207 982	5 090 434	7 642 442
Net value of construction work†	68 435 258	2 351 292	3 585 152	6 685 124	13 495 162	11 462 688	12 921 496	7 473 176	4 075 799	6 385 370
Value added††	44 940 458	1 556 771	2 375 505	4 326 760	8 608 415	7 150 549	8 196 893	4 974 607	2 495 594	5 255 364
Cost of materials, components, supplies, and fuels	26 882 015	853 512	1 291 662	2 518 808	5 307 856	4 681 416	5 334 372	2 863 322	1 745 379	2 285 690
Cost of construction work subcontracted to others	13 850 093	269 618	504 732	965 948	2 472 802	2 442 863	3 187 617	1 734 806	1 014 635	1 257 072
Rental cost for machinery, equipment, and buildings	2 847 296	85 288	157 683	286 506	589 671	532 419	599 784	292 684	145 200	158 063
Capital expenditures, other than land	2 873 734	128 307	212 674	334 865	639 504	485 005	559 947	312 262	146 739	54 432
End-of-year gross book value of depreciable assets	23 183 620	1 118 287	1 679 051	2 592 130	4 969 970	4 038 035	4 515 954	2 641 132	940 429	688 633
Relative standard error of estimate (percent)										
All employees**	(W)	2	2	1	1	(W)	(W)	(W)	(W)	(W)
Net value of construction work	(W)	2	2	1	1	(W)	(W)	(W)	(W)	(W)
Value added††	(W)	2	2	1	1	(W)	(W)	(W)	(W)	(W)
SPECIAL TRADE CONTRACTORS										
Number of establishments	342 040	195 574	75 650	40 992	21 969	5 328	2 117	328	68	14
All employees**	2 909 050	392 837	485 339	540 789	646 535	358 307	416 617	(D)	68 627	(D)
Payroll, all employees	61 921 262	5 479 214	8 154 265	10 771 367	15 099 218	9 237 322	11 443 913	(D)	1 735 963	(D)
Construction worker hours (thousands)	3 949 624	501 296	604 745	710 738	893 585	524 523	619 359	(D)	95 379	(D)
Dollar value of business done	204 076 888	25 279 574	28 550 425	35 664 092	47 967 562	28 276 838	33 698 165	(D)	4 640 234	(D)
Value of construction work	200 432 460	24 935 205	28 027 411	34 922 190	46 955 938	27 753 752	33 223 250	(D)	4 614 715	(D)
Net value of construction work†	185 786 102	23 079 231	26 228 721	32 620 358	43 557 423	25 628 251	30 370 035	(D)	4 302 084	(D)
Value added††	117 479 586	13 903 634	16 380 249	20 526 057	27 640 127	16 279 860	19 843 441	(D)	2 906 219	(D)
Cost of materials, components, supplies, and fuels	71 950 944	9 519 966	10 371 485	12 836 203	16 928 920	9 871 477	11 001 509	(D)	1 421 384	(D)
Cost of construction work subcontracted to others	14 646 357	1 855 974	1 798 690	2 301 832	3 398 515	2 125 501	2 853 215	(D)	312 631	(D)
Rental cost for machinery, equipment, and buildings	3 264 107	332 994	485 901	592 073	778 942	489 012	515 365	(D)	69 821	(D)
Capital expenditures, other than land	3 492 583	585 681	657 652	721 278	807 703	384 127	296 617	(D)	39 526	(D)
End-of-year gross book value of depreciable assets	23 846 788	4 124 341	4 283 680	4 736 617	5 449 091	2 706 657	2 313 103	(D)	233 300	(D)
Relative standard error of estimate (percent)										
All employees**	(W)	(W)	1	1	(W)	(W)	(W)	(D)	(W)	(D)
Net value of construction work	(W)	1	1	1	(W)	(W)	(W)	(D)	(W)	(D)
Value added††	(W)	1	1	1	(W)	(W)	(W)	(D)	(W)	(D)
LAND SUBDIVIDERS AND DEVELOPERS, N.E.C.										
Number of establishments	7 955	(S)	1 024	442	238	41	23	1	4	1
All employees**	39 768	(S)	6 510	5 828	6 978	2 680	3 610	(D)	3 950	(D)
Payroll, all employees	867 427	(S)	154 539	130 057	147 178	63 539	71 661	(D)	85 170	(D)
Construction worker hours (thousands)	15 021	(S)	3 130	2 561	2 968	1 037	1 458	(D)	1 066	(D)
Dollar value of business done	7 527 764	(S)	1 537 103	1 083 587	1 082 844	674 335	417 123	(D)	580 961	(D)
Value of construction work	4 635 921	(S)	930 207	625 808	671 733	399 507	265 690	(D)	402 831	(D)
Net value of construction work†	2 505 153	(S)	513 779	406 998	408 434	199 032	119 214	(D)	127 546	(D)
Value added††	2 239 891	(S)	423 264	377 325	370 724	177 949	234 516	(D)	(D)	(D)
Cost of materials, components, supplies, and fuels	674 096	(S)	141 868	105 499	106 348	65 045	92 571	(D)	(D)	(D)
Cost of construction work subcontracted to others	2 130 768	(S)	416 428	218 809	263 299	200 475	146 476	(D)	275 285	(D)
Rental cost for machinery, equipment, and buildings	35 096	(S)	6 342	5 996	7 598	3 609	2 095	(D)	(D)	(D)
Capital expenditures, other than land	111 885	(S)	7 343	12 058	19 580	11 960	7 905	(D)	14 812	(D)
End-of-year gross book value of depreciable assets	1 167 595	(S)	199 601	214 386	195 469	107 001	58 973	(D)	93 434	(D)
Relative standard error of estimate (percent)										
All employees**	2	(S)	5	7	6	(W)	(W)	(D)	(W)	(D)
Net value of construction work	3	(S)	7	9	4	(W)	(W)	(D)	(W)	(D)
Value added††	3	(S)	6	10	5	(W)	(W)	(D)	(W)	(D)

Note: Underscored data fields include data from adjoining columns which have been withheld to avoid disclosing data for individual companies.

Table 10. Selected Statistics by Size Class of the Dollar Value of Business Done for Establishments With Payroll by Industry Group: 1987

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with dollar value of business done									
		\$25,000 to \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more
CONSTRUCTION INDUSTRIES AND LAND SUBDIVIDERS AND DEVELOPERS											
Number of establishments -----	544 233	(S)	(S)	(S)	146 164	92 359	65 772	52 920	20 353	9 496	7 005
All employees** -----	5 054 367	(S)	(S)	(S)	479 445	534 536	619 924	874 398	641 010	529 285	1 133 155
Payroll, all employees -----	111 067 318	(S)	(S)	(S)	6 242 578	8 519 131	11 655 189	19 106 166	15 861 202	14 156 510	33 352 429
Construction worker hours (thousands) -----	6 743 563	(S)	(S)	(S)	584 337	673 544	797 496	1 160 563	893 933	761 571	1 612 919
Dollar value of business done -----	522 465 362	(S)	(S)	(S)	23 645 990	32 485 396	46 047 972	81 785 070	70 204 161	65 082 781	195 330 090
Value of construction work -----	499 982 234	(S)	(S)	(S)	23 143 767	31 606 037	44 581 519	78 438 044	67 431 048	62 527 011	184 513 426
Net value of construction work† -----	367 745 733	(S)	(S)	(S)	21 047 393	27 768 758	37 697 353	63 319 079	52 082 753	45 947 258	112 676 061
Value added†† -----	230 174 083	(S)	(S)	(S)	12 897 350	16 860 527	22 802 935	38 740 742	32 233 827	28 424 303	73 670 731
Cost of materials, components, supplies, and fuels -----	150 545 463	(S)	(S)	(S)	8 498 077	11 499 861	15 791 330	26 345 600	21 293 207	18 861 248	45 495 813
Cost of construction work subcontracted to others -----	132 236 501	(S)	(S)	(S)	2 096 374	3 837 279	6 884 166	15 118 965	15 348 296	16 579 753	71 837 365
Rental cost for machinery, equipment, and buildings -----	7 752 741	(S)	(S)	(S)	322 229	510 827	745 353	1 227 300	1 080 404	1 072 676	2 707 398
Capital expenditures, other than land -----	8 393 671	(S)	(S)	(S)	591 520	784 077	954 647	1 531 008	1 166 076	968 497	2 223 778
End-of-year gross book value of depreciable assets -----	62 614 884	(S)	(S)	(S)	4 309 303	5 615 404	6 833 273	10 967 010	8 907 655	7 255 148	17 235 072
Relative standard error of estimate (percent)											
All employees** -----	(W)	(S)	(S)	(S)	1	1	1	(W)	(W)	(W)	(W)
Net value of construction work -----	(W)	(S)	(S)	(S)	1	1	1	(W)	(W)	(W)	(W)
Value added†† -----	(W)	(S)	(S)	(S)	1	1	1	(W)	(W)	(W)	(W)
CONSTRUCTION INDUSTRIES											
Number of establishments -----	536 277	(S)	(S)	(S)	144 519	91 284	64 946	51 931	20 047	9 330	6 919
All employees** -----	5 014 599	(S)	(S)	(S)	475 893	530 638	615 692	866 639	636 467	525 720	1 124 887
Payroll, all employees -----	110 199 890	(S)	(S)	(S)	6 192 092	8 447 699	11 569 472	18 920 160	15 738 679	14 061 041	33 143 840
Construction worker hours (thousands) -----	6 728 542	(S)	(S)	(S)	583 436	672 110	795 204	1 157 775	891 655	759 776	1 610 015
Dollar value of business done -----	514 937 598	(S)	(S)	(S)	23 372 826	32 102 427	45 469 123	80 225 187	69 170 880	63 939 367	192 880 300
Value of construction work -----	495 346 313	(S)	(S)	(S)	22 980 817	31 377 884	44 221 226	77 452 032	66 785 301	61 837 092	183 013 950
Net value of construction work† -----	365 240 580	(S)	(S)	(S)	20 920 702	27 611 046	37 489 410	62 692 539	51 734 437	45 614 247	112 022 282
Value added†† -----	227 934 192	(S)	(S)	(S)	12 781 330	16 724 043	22 628 210	38 216 403	31 911 015	28 115 637	73 061 966
Cost of materials, components, supplies, and fuels -----	149 871 366	(S)	(S)	(S)	8 472 010	11 460 737	15 730 929	26 184 798	21 202 429	18 766 715	45 302 622
Cost of construction work subcontracted to others -----	130 105 733	(S)	(S)	(S)	2 060 114	3 766 838	6 731 817	14 759 493	15 050 864	16 222 845	70 991 668
Rental cost for machinery, equipment, and buildings -----	7 717 645	(S)	(S)	(S)	320 859	508 579	741 788	1 218 460	1 074 412	1 067 125	2 700 488
Capital expenditures, other than land -----	8 281 785	(S)	(S)	(S)	590 054	778 622	948 678	1 497 153	1 156 971	952 972	2 185 045
End-of-year gross book value of depreciable assets -----	61 447 288	(S)	(S)	(S)	4 228 779	5 546 653	6 740 599	10 710 498	8 760 564	7 088 452	16 912 043
Relative standard error of estimate (percent)											
All employees** -----	(W)	(S)	(S)	(S)	1	1	1	(W)	(W)	(W)	(W)
Net value of construction work -----	(W)	(S)	(S)	(S)	1	1	1	(W)	(W)	(W)	(W)
Value added†† -----	(W)	(S)	(S)	(S)	1	1	1	(W)	(W)	(W)	(W)
BUILDING CONSTRUCTION—GENERAL CONTRACTORS AND OPERATIVE BUILDERS											
Number of establishments -----	157 639	(S)	(S)	(S)	27 294	21 813	19 656	7 909	3 745	3 408	
All employees** -----	1 278 422	(S)	(S)	(S)	124 214	145 280	204 337	151 372	122 072	368 530	
Payroll, all employees -----	27 870 467	(S)	(S)	(S)	1 838 474	2 526 795	4 217 844	3 556 255	3 154 909	10 766 982	
Construction worker hours (thousands) -----	1 533 862	(S)	(S)	(S)	147 831	169 444	238 314	184 813	153 894	460 930	
Dollar value of business done -----	225 188 140	(S)	(S)	(S)	9 631 700	15 305 846	30 441 722	27 243 765	25 777 281	108 757 808	
Value of construction work -----	212 628 500	(S)	(S)	(S)	9 304 581	14 642 817	28 767 008	25 751 008	24 492 065	101 834 860	
Net value of construction work† -----	111 019 219	(S)	(S)	(S)	6 770 932	9 748 128	17 710 404	14 604 118	12 519 701	43 387 532	
Value added†† -----	65 514 147	(S)	(S)	(S)	3 670 315	5 216 953	9 546 855	8 307 383	7 148 623	28 095 664	
Cost of materials, components, supplies, and fuels -----	51 038 405	(S)	(S)	(S)	3 276 927	4 816 036	8 773 770	6 782 920	5 822 124	18 690 772	
Cost of construction work subcontracted to others -----	101 609 281	(S)	(S)	(S)	2 533 649	4 894 690	11 056 604	11 146 890	11 972 364	58 447 328	
Rental cost for machinery, equipment, and buildings -----	1 606 240	(S)	(S)	(S)	98 773	127 674	229 909	200 175	181 120	687 018	
Capital expenditures, other than land -----	1 915 467	(S)	(S)	(S)	152 983	198 871	321 308	274 662	185 243	628 860	
End-of-year gross book value of depreciable assets -----	14 416 880	(S)	(S)	(S)	1 135 334	1 452 523	2 507 780	2 176 833	1 475 493	4 519 289	
Relative standard error of estimate (percent)											
All employees** -----	(W)	(S)	(S)	(S)	1	1	1	1	1	1	(W)
Net value of construction work -----	(W)	(S)	(S)	(S)	1	1	1	1	1	1	(W)
Value added†† -----	(W)	(S)	(S)	(S)	1	1	1	1	2	1	(W)

See footnotes at end of table.

Table 10. Selected Statistics by Size Class of the Dollar Value of Business Done for Establishments With Payroll by Industry Group: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Selected statistics	Total	Establishments with dollar value of business done										
		Less than \$25,000	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 to \$249,999	\$250,000 to \$499,999	\$500,000 to \$999,999	\$1,000,000 to \$2,499,999	\$2,500,000 to \$4,999,999	\$5,000,000 to \$9,999,999	\$10,000,000 or more	
HEAVY CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION—CONTRACTORS												
Number of establishments -----	36 597	(S)	(S)	(S)	6 957	6 139	5 334	5 484	2 969	1 739	1 621	
All employees** -----	827 126	(S)	(S)	(S)	22 030	36 850	54 726	103 154	102 891	107 034	390 777	
Payroll, all employees -----	20 408 161	(S)	(S)	(S)	288 265	581 085	1 027 650	2 179 794	2 486 827	2 697 294	11 058 811	
Construction worker hours (thousands) -----	1 245 055	(S)	(S)	(S)	25 670	49 906	76 532	149 587	158 862	172 303	601 792	
Dollar value of business done -----	85 672 568	(S)	(S)	(S)	1 121 268	2 172 601	3 815 426	8 752 997	10 352 246	12 141 712	46 989 666	
Value of construction work -----	82 285 352	(S)	(S)	(S)	1 097 400	2 128 832	3 749 377	8 552 566	10 100 670	11 824 769	44 511 788	
Net value of construction workt -----	68 435 258	(S)	(S)	(S)	1 032 824	1 966 133	3 406 521	7 554 813	8 680 578	9 819 556	35 672 049	
Value added†† -----	44 940 458	(S)	(S)	(S)	729 225	1 346 263	2 292 796	4 968 175	5 639 970	6 213 587	23 542 892	
Cost of materials, components, supplies, and fuels -----	26 882 015	(S)	(S)	(S)	327 466	663 638	1 179 774	2 787 069	3 292 183	3 922 912	14 607 035	
Cost of construction work subcontracted to others -----	13 850 093	(S)	(S)	(S)	64 576	162 699	342 856	997 753	1 420 092	2 005 213	8 839 739	
Rental cost for machinery, equipment, and buildings -----	2 847 296	(S)	(S)	(S)	33 199	81 298	139 730	321 628	382 020	467 427	1 413 693	
Capital expenditures, other than land -----	2 873 734	(S)	(S)	(S)	65 649	138 766	177 100	401 474	398 070	452 058	1 230 218	
End-of-year gross book value of depreciable assets -----	23 183 620	(S)	(S)	(S)	625 699	1 045 805	1 542 421	3 076 120	3 299 965	3 383 031	10 017 720	
Relative standard error of estimate (percent)												
All employees** -----	(W)	(S)	(S)	(S)	3	3	2	1	1	(W)	(W)	
Net value of construction work -----	(W)	(S)	(S)	(S)	2	2	2	1	1	(W)	(W)	
Value added†† -----	(W)	(S)	(S)	(S)	3	3	2	1	1	(W)	(W)	
SPECIAL TRADE CONTRACTORS												
Number of establishments -----	342 040	(S)	(S)	(S)	100 103	57 851	37 799	26 791	9 169	3 846	1 890	
All employees** -----	2 909 050	(S)	(S)	(S)	345 890	369 573	415 686	559 148	382 204	296 613	365 581	
Payroll, all employees -----	61 921 262	(S)	(S)	(S)	4 583 440	6 028 141	8 015 027	12 522 522	9 695 598	8 208 838	11 318 047	
Construction worker hours (thousands) -----	3 949 624	(S)	(S)	(S)	432 422	474 374	549 229	769 875	547 980	433 578	547 293	
Dollar value of business done -----	204 076 888	(S)	(S)	(S)	16 126 343	20 298 126	26 347 851	41 030 468	31 574 869	26 020 373	37 132 826	
Value of construction work -----	200 432 460	(S)	(S)	(S)	15 916 296	19 944 471	25 829 032	40 132 458	30 933 623	25 520 258	36 667 302	
Net value of construction workt -----	185 786 102	(S)	(S)	(S)	15 178 667	18 873 981	24 334 761	37 427 322	28 449 742	23 274 990	32 962 701	
Value added†† -----	117 479 586	(S)	(S)	(S)	9 432 455	11 707 464	15 118 461	23 701 373	17 963 662	14 753 426	21 423 410	
Cost of materials, components, supplies, and fuels -----	71 950 944	(S)	(S)	(S)	5 956 260	7 520 172	9 735 119	14 623 959	11 127 325	9 021 679	12 004 815	
Cost of construction work subcontracted to others -----	14 646 357	(S)	(S)	(S)	737 629	1 070 490	1 494 271	2 705 136	2 483 881	2 245 268	3 704 601	
Rental cost for machinery, equipment, and buildings -----	3 264 107	(S)	(S)	(S)	224 504	328 509	474 384	666 922	492 218	418 578	599 777	
Capital expenditures, other than land -----	3 492 583	(S)	(S)	(S)	410 076	486 873	572 707	774 370	484 238	315 671	325 967	
End-of-year gross book value of depreciable assets -----	23 846 788	(S)	(S)	(S)	2 772 938	3 365 514	3 745 655	5 126 598	3 283 767	2 229 928	2 375 034	
Relative standard error of estimate (percent)												
All employees** -----	(W)	(S)	(S)	(S)	1	1	1	(W)	(W)	(W)	(W)	
Net value of construction work -----	(W)	(S)	(S)	(S)	1	1	1	(W)	(W)	(W)	(W)	
Value added†† -----	(W)	(S)	(S)	(S)	1	1	1	(W)	(W)	(W)	(W)	
LAND SUBDIVIDERS AND DEVELOPERS, N.E.C.												
Number of establishments -----	7 955	(S)	(S)	(S)	(S)	(S)	(S)	(S)	306	166	85	
All employees** -----	39 768	(S)	(S)	(S)	(S)	(S)	(S)	(S)	4 543	3 565	8 267	
Payroll, all employees -----	867 427	(S)	(S)	(S)	(S)	(S)	(S)	(S)	122 522	95 469	208 589	
Construction worker hours (thousands) -----	15 021	(S)	(S)	(S)	(S)	(S)	(S)	(S)	2 277	1 794	2 903	
Dollar value of business done -----	7 527 764	(S)	(S)	(S)	(S)	(S)	(S)	(S)	1 033 281	1 143 414	2 449 790	
Value of construction work -----	4 635 921	(S)	(S)	(S)	(S)	(S)	(S)	(S)	645 747	689 918	1 499 476	
Net value of construction workt -----	2 505 153	(S)	(S)	(S)	(S)	(S)	(S)	(S)	348 315	333 010	653 779	
Value added†† -----	2 239 891	(S)	(S)	(S)	(S)	(S)	(S)	(S)	322 812	308 666	608 765	
Cost of materials, components, supplies, and fuels -----	674 096	(S)	(S)	(S)	(S)	(S)	(S)	(S)	90 778	94 532	193 191	
Cost of construction work subcontracted to others -----	2 130 768	(S)	(S)	(S)	(S)	(S)	(S)	(S)	297 432	356 907	845 696	
Rental cost for machinery, equipment, and buildings -----	35 096	(S)	(S)	(S)	(S)	(S)	(S)	(S)	5 991	5 551	6 909	
Capital expenditures, other than land -----	111 885	(S)	(S)	(S)	(S)	(S)	(S)	(S)	9 105	15 524	38 732	
End-of-year gross book value of depreciable assets -----	1 167 595	(S)	(S)	(S)	(S)	(S)	(S)	(S)	147 090	166 696	323 029	
Relative standard error of estimate (percent)												
All employees** -----	2	(S)	(S)	(S)	(S)	(S)	(S)	(S)	4	3	1	
Net value of construction work -----	3	(S)	(S)	(S)	(S)	(S)	(S)	(S)	8	9	4	
Value added†† -----	3	(S)	(S)	(S)	(S)	(S)	(S)	(S)	8	8	5	

Table 11. Value of Construction Work for Establishments With Payroll by Industry Group and Type of Construction: 1987 and 1982

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Industry and type of construction	1987 value of construction work				1982 total construction receipts ¹	Relative standard error of estimate (percent) for column—	
	Total	New construction	Additions, alterations or reconstruction	Maintenance and repair			
	A	B	C	D			
CONSTRUCTION INDUSTRIES AND LAND SUBDIVIDERS AND DEVELOPERS							
Value of construction work ¹ -----	499 982 234	328 038 674	96 643 476	50 448 700	312 178 494	(W)	(W)
Building construction -----	373 421 764	260 435 225	75 108 972	33 938 389	209 003 904	(W)	(W)
Single-family houses -----	124 339 120	97 498 629	17 285 359	9 555 138	53 033 820	1	1
Single-family houses, detached -----	103 052 272	79 050 227	15 685 106	8 316 945	43 756 104	1	1
Single-family houses, attached -----	21 286 848	18 448 402	1 600 253	1 238 194	9 277 716	1	2
Apartment buildings with two or more apartments -----	22 262 613	16 993 539	3 023 116	2 245 959	14 172 862	1	2
Other residential buildings, including hotels and motels -----	14 475 450	10 580 073	2 615 263	1 280 114	6 102 737	1	2
Hotels and motels -----	9 022 481	7 151 242	1 269 159	602 081	(NA)	1	2
Other residential buildings, excluding hotels and motels -----	5 452 969	3 428 831	1 346 105	678 034	(NA)	1	2
Office buildings -----	60 723 297	41 160 155	14 852 264	4 710 881	44 501 771	(W)	1
Other commercial buildings such as stores, restaurants, and automobile service stations -----	46 370 994	30 626 326	10 947 621	4 797 052	16 902 859	(W)	1
Industrial buildings and warehouses -----	52 584 685	33 698 335	11 813 471	7 072 884	42 289 621	(W)	1
Industrial buildings -----	41 528 462	25 256 710	10 025 499	6 246 256	35 447 782	(W)	1
Warehouses -----	11 056 223	8 441 625	1 787 972	826 627	6 841 838	1	1
Religious buildings -----	4 535 939	2 655 877	1 294 075	585 989	2 562 379	1	1
Educational buildings -----	16 282 387	9 695 433	5 208 646	1 378 309	9 431 419	1	1
Hospitals and institutional buildings -----	19 305 021	11 930 091	6 104 033	1 270 898	13 934 073	(W)	1
Farm buildings -----	1 560 486	1 054 179	264 379	241 927	1 624 482	3	4
Amusement, social, and recreational buildings -----	3 046 690	2 192 066	605 091	249 533	2 263 971	1	3
Other nonresidential buildings -----	3 995 887	1 853 177	1 521 420	621 267	2 183 906	1	2
Land development for buildings -----	3 939 195	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Nonbuilding construction -----	105 648 260	67 603 449	21 534 504	16 510 311	82 366 302	(W)	(W)
Highways, streets, and related facilities -----	33 692 504	18 852 941	9 371 283	5 468 281	20 518 447	(W)	1
Outdoor swimming pools -----	2 273 407	1 849 331	207 887	216 190	515 797	3	7
Airport runways -----	209 736	94 055	84 020	31 661	108 774	4	3
Parking areas including private driveways -----	3 562 807	2 311 898	594 541	656 369	439 532	1	2
Fencing -----	1 102 962	868 794	112 648	121 520	325 932	3	4
Recreational facilities such as athletic fields, golf courses, and outdoor tennis courts -----	1 114 321	862 625	139 592	112 103	(NA)	3	6
Bridges, tunnels, and elevated highways -----	7 051 964	4 975 614	1 461 265	615 086	4 342 924	1	1
Tunnels -----	853 957	684 524	130 841	38 592	801 871	1	2
Bridges and elevated highways -----	6 198 007	4 291 090	1 330 424	576 494	3 541 053	1	1
Dam and reservoir construction -----	990 275	842 537	84 389	63 350	832 770	1	3
Marine construction -----	1 595 977	966 495	262 481	367 002	1 741 680	1	2
Harbor and port facilities -----	619 269	393 107	135 860	90 302	655 171	3	5
Conservation and development construction -----	1 520 673	1 128 898	219 487	172 289	1 104 661	2	5
Power and communication transmission lines, towers, and related facilities -----	6 232 816	3 902 885	1 319 075	1 010 856	4 597 687	1	2
Sewers, water mains, and related facilities -----	13 506 798	10 661 388	1 660 417	1 184 993	8 493 509	1	1
Sewers, sewer lines, and related facilities -----	7 937 085	6 270 734	996 713	669 638	5 176 792	1	2
Water mains and related facilities -----	5 569 713	4 390 654	663 704	515 355	3 316 716	1	2
Pipeline, other than sewer or water lines -----	3 259 867	2 275 977	512 054	471 836	3 161 401	1	1
Mass transit construction -----	1 416 178	672 678	480 815	262 686	1 923 398	2	4
Subways -----	730 144	354 922	334 980	40 242	1 159 314	1	3
Railroads -----	686 034	317 755	145 835	222 444	764 084	4	3
Blast furnaces, petroleum refineries, and chemical complexes -----	6 776 004	3 212 513	1 418 062	2 145 429	10 521 935	(W)	1
Power plants -----	6 915 723	4 087 576	1 051 911	1 776 235	14 385 752	(W)	1
Power plants, nuclear -----	2 302 509	1 282 830	290 461	729 218	7 140 373	(W)	1
Power plants, except nuclear -----	4 613 213	2 804 747	761 449	1 047 017	7 245 378	(W)	1
Sewage treatment and water treatment plants -----	6 057 721	4 446 103	1 299 771	311 847	4 257 679	1	2
Sewage treatment plants -----	4 099 467	3 048 277	891 167	160 022	2 927 777	1	3
Water treatment plants -----	1 958 254	1 397 826	408 604	151 825	1 329 902	1	4
Oilfields -----	506 820	300 459	65 084	141 277	1 472 532	3	4
Earthmoving, nonbuilding -----	2 677 903	2 197 520	249 974	230 410	(NA)	2	6
Other nonbuilding construction -----	4 564 535	2 700 055	803 888	1 060 589	2 966 721	1	3
Construction work, n.s.k.-----	20 912 210	(NA)	(NA)	(NA)	20 808 287	1	(NA)
BUILDING CONSTRUCTION—GENERAL CONTRACTORS AND OPERATIVE BUILDERS							
Value of construction work ¹ -----	212 628 500	157 866 164	39 193 023	6 789 065	113 239 222	(W)	(W)
Building construction -----	201 938 876	155 538 163	38 346 469	6 602 145	108 742 870	(W)	(W)
Single-family houses -----	77 002 852	65 451 794	9 478 482	2 072 577	32 504 422	1	2
Single-family houses, detached -----	63 537 960	52 986 817	8 723 161	1 827 983	26 744 013	1	1
Single-family houses, attached -----	13 464 892	12 464 977	755 321	244 594	5 760 408	2	4
Apartment buildings with two or more apartments -----	11 875 587	9 798 089	1 657 531	419 967	7 470 568	2	3
Other residential buildings, including hotels and motels -----	7 170 875	5 661 943	1 318 546	190 386	3 074 219	1	1
Hotels and motels -----	4 202 120	3 610 927	535 279	55 914	(NA)	2	3
Other residential buildings, excluding hotels and motels -----	2 968 755	2 051 016	783 267	134 472	(NA)	2	4
Office buildings -----	30 306 156	22 045 448	7 551 066	709 642	21 649 783	(W)	1
Other commercial buildings such as stores, restaurants, and automobile service stations -----	23 481 116	16 675 444	5 940 936	864 736	8 103 893	1	2
Industrial buildings and warehouses -----	24 150 548	17 740 060	4 715 297	1 695 191	19 095 538	1	1
Industrial buildings -----	18 119 921	12 722 589	3 852 351	1 544 981	15 381 730	1	1
Warehouses -----	6 030 627	5 017 471	862 946	150 210	3 713 808	1	2
Religious buildings -----	2 301 140	1 541 538	683 153	76 449	1 171 807	2	2
Educational buildings -----	8 686 646	5 777 294	2 723 443	185 909	4 644 481	1	2
Hospitals and institutional buildings -----	10 753 132	7 354 164	3 222 347	176 622	7 459 981	1	4
Farm buildings -----	997 017	801 389	116 574	79 054	1 122 600	4	5
Amusement, social, and recreational buildings -----	1 864 243	1 490 289	342 375	31 579	1 290 942	1	3
Other nonresidential buildings -----	1 897 465	1 200 711	596 719	100 033	1 154 630	1	3
Land development for buildings -----	1 452 099	(NA)	(NA)	(NA)	8 (NA)	(NA)	(NA)

See footnotes at end of table.

Table 11. Value of Construction Work for Establishments With Payroll by Industry Group and Type of Construction: 1987 and 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Industry and type of construction	1987 value of construction work				1982 total construction receipts ¹	Relative standard error of estimate (percent) for column—					
	Total	New construction	Additions, alterations or reconstruction	Maintenance and repair							
	A	B	C	D		E	A	B	C	D	
BUILDING CONSTRUCTION—GENERAL CONTRACTORS AND OPERATIVE BUILDERS—Con.											
Value of construction work ¹ —Con.											
Nonbuilding construction	3 361 475	2 328 001	846 554	186 920	1 834 924	1	1	2	3	1	
Highways, streets, and related facilities	446 737	213 695	204 584	28 458	260 747	2	2	2	4	2	
Outdoor swimming pools	13 417	9 810	2 689	*918	17 964	29	36	23	49	18	
Airport runways	12 810	8 225	*3 096	1 489	(D)	29	30	53	32	(D)	
Parking areas including private driveways	46 259	31 400	12 828	2 031	22 868	5	5	5	4	4	
Fencing	*2 506	*2 420	(S)	-	1 702	41	42	(S)	-	37	
Recreational facilities such as athletic fields, golf courses, and outdoor tennis courts	50 625	38 076	*9 539	3 010	(NA)	10	2	49	35	(NA)	
Bridges, tunnels, and elevated highways	258 689	218 438	33 126	7 125	85 438	1	1	2	13	1	
Tunnels	78 535	75 243	(D)	(D)	18 492	(W)	(W)	(D)	(D)	(W)	
Bridges and elevated highways	180 154	143 196	(D)	(D)	66 946	1	1	(D)	(D)	4	
Dam and reservoir construction	8 870	4 051	4 819	-	10 990	14	(W)	26	-	16	
Marine construction	50 767	44 278	3 589	2 900	7 985	3	2	11	15	9	
Harbor and port facilities	66 557	38 813	27 528	216	31 857	8	3	18	27	8	
Conservation and development construction	35 878	27 722	(D)	(D)	5 400	5	1	(D)	(D)	12	
Power and communication transmission lines, towers, and related facilities	49 445	36 460	11 616	1 368	92 555	4	3	9	25	2	
Sewers, water mains, and related facilities	286 427	224 523	32 494	29 410	214 214	4	3	20	4	1	
Sewers, sewer lines, and related facilities	173 495	129 597	20 294	23 604	114 610	4	3	16	3	2	
Water mains and related facilities	112 932	94 926	12 200	5 806	99 604	5	4	26	11	2	
Pipeline, other than sewer or water lines	15 439	14 446	815	178	13 134	2	(W)	(W)	(W)	4	
Mass transit construction	125 705	99 269	18 935	7 501	61 110	2	(W)	(W)	28	(W)	
Subways	78 240	61 505	(D)	(D)	(D)	2	(W)	(D)	(D)	(D)	
Railroads	47 465	37 764	(D)	(D)	(D)	2	(W)	(D)	(D)	(D)	
Blast furnaces, petroleum refineries, and chemical complexes	173 728	71 337	88 044	14 347	82 061	(W)	(W)	(W)	1		
Power plants	70 132	64 321	4 802	1 009	97 122	(W)	(W)	(W)	11	(W)	
Power plants, nuclear	15 743	15 743	-	-	7 106	(W)	(W)	-	(W)		
Power plants, except nuclear	54 390	48 579	4 802	1 009	90 016	(W)	(W)	(W)	11	(W)	
Sewage treatment and water treatment plants	735 576	543 494	189 331	2 751	396 442	2	2	3	8	1	
Sewage treatment plants	549 970	423 106	124 955	1 909	308 344	1	1	1	7	(W)	
Water treatment plants	185 607	120 388	64 377	842	88 097	5	5	8	15	2	
Oilfields	2 938	1 748	1 018	*172	21 930	36	40	26	67	14	
Earthmoving, nonbuilding	97 291	75 754	(D)	(D)	(NA)	2	3	(D)	(D)	(NA)	
Other nonbuilding construction	811 679	559 721	186 588	65 371	377 043	2	3	2	6	2	
Construction work, n.s.k.	7 328 149	(NA)	(NA)	(NA)	2 661 427	1	(NA)	(NA)	(NA)	1	
HEAVY CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION—CONTRACTORS											
Value of construction work ¹											
Building construction	82 285 352	52 471 263	16 284 976	11 457 483	67 271 540	(W)	(W)	(W)	(W)	(W)	
Single-family houses	2 962 322	2 163 865	466 251	199 703	2 989 620	1	1	2	2	(W)	
Single-family houses, detached	335 213	302 669	23 621	8 922	190 197	5	5	11	9	2	
Single-family houses, attached	277 710	248 052	21 111	8 546	175 378	5	5	11	10	3	
Apartment buildings with two or more apartments	57 503	54 617	2 511	376	14 819	9	10	24	37	7	
Other residential buildings, including hotels and motels	56 647	50 469	3 168	3 009	48 440	5	5	13	16	3	
Hotels and motels	78 770	62 319	15 592	859	36 452	3	4	2	24	3	
Other residential buildings, excluding hotels and motels	31 050	(D)	(D)	(D)	(NA)	2	(D)	(D)	(NA)		
Office buildings	47 720	(D)	(D)	(D)	(NA)	4	(D)	(D)	(D)	(NA)	
Other commercial buildings such as stores, restaurants, and automobile service stations	500 785	378 981	86 280	35 523	233 736	1	1	1	4	1	
Industrial buildings and warehouses	570 989	422 119	113 071	35 799	164 499	2	2	3	5	2	
Industrial buildings	727 195	558 672	86 852	81 670	1 942 664	1	2	4	4	(W)	
Warehouses	653 848	498 639	76 263	78 945	1 906 058	1	1	2	4	(W)	
Religious buildings	73 346	60 032	10 589	2 725	36 605	7	7	25	16	5	
Educational buildings	22 078	13 708	7 338	1 032	11 719	4	5	6	3	5	
Hospitals and institutional buildings	171 250	129 068	39 781	2 402	71 776	2	2	4	14	(W)	
Farm buildings	176 676	110 072	59 328	7 275	180 718	2	3	1	3	(W)	
Amusement, social, and recreational buildings	16 418	7 820	8 416	183	18 027	14	25	9	33	6	
Other nonresidential buildings	29 019	23 248	4 754	1 017	29 425	12	15	15	16	5	
Land development for buildings	144 781	104 720	18 050	22 012	61 962	4	4	11	7	1	
132 501	(NA)	(NA)	(NA)	(NA)	5	(NA)	(NA)	(NA)	(NA)		
Nonbuilding construction	77 383 902	50 307 398	15 818 725	11 257 780	62 085 921	(W)	(W)	(W)	(W)	(W)	
Highways, streets, and related facilities	30 067 487	16 528 315	8 592 714	4 946 458	16 501 292	(W)	(W)	1	1	(W)	
Outdoor swimming pools	16 979	13 348	2 631	1 000	10 617	13	15	19	17	13	
Airport runways	130 877	44 645	59 933	26 299	39 377	4	10	(W)	3	6	
Parking areas including private driveways	674 335	431 052	132 640	110 643	172 734	2	2	3	2	4	
Fencing	13 766	9 749	1 866	2 151	15 807	14	14	14	21	6	
Recreational facilities such as athletic fields, golf courses, and outdoor tennis courts	911 206	706 743	109 536	94 927	(NA)	4	4	6	9	(NA)	
Bridges, tunnels, and elevated highways	6 288 782	4 507 724	1 336 485	444 573	3 312 408	(W)	1	1	1	(W)	
Tunnels	654 445	536 463	89 178	28 804	718 333	1	1	1	3	(W)	
Bridges and elevated highways	5 634 337	3 971 261	1 247 307	415 769	3 240 575	1	1	1	1	(W)	
Dam and reservoir construction	946 712	822 313	75 751	48 649	651 059	1	1	3	7	1	
Marine construction	1 508 215	897 193	253 623	357 399	1 523 560	1	1	2	2	1	
Harbor and port facilities	475 743	299 375	97 073	79 295	510 471	3	4	4	3	1	
Conservation and development construction	1 334 665	1 000 641	186 660	147 364	683 025	2	2	5	5	2	
Power and communication transmission lines, towers, and related facilities	3 781 641	2 670 678	528 024	582 940	2 891 107	1	1	2	1	1	
Sewers, water mains, and related facilities	10 757 895	8 753 531	1 290 559	713 806	6 155 247	1	1	1	2	1	
Sewers, sewer lines, and related facilities	6 582 677	5 351 686	794 796	436 195	4 057 653	1	1	2	2	1	
Water mains and related facilities	4 175 218	3 401 845	495 763	277 611	2 097 593	1	1	2	2	1	
Pipeline, other than sewer or water lines	2 910 925	2 081 902	431 692	397 331	2 967 631	1	1	2	2	(W)	
Mass transit construction	861 651	366 434	273 385	221 832	1 727 971	2	2	2	4	(W)	
Subways	290 472	132 328	(D)	(D)	1 069 611	(W)	1	(D)	(D)	(W)	

See footnotes at end of table.

Table 11. Value of Construction Work for Establishments With Payroll by Industry Group and Type of Construction: 1987 and 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Industry and type of construction	1987 value of construction work				1982 total construction receipts ¹	Relative standard error of estimate (percent) for column—				
	Total	New construction	Additions, alterations or reconstruction	Maintenance and repair		A	B	C	D	E
	A	B	C	D		A	B	C	D	E
HEAVY CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION—CONTRACTORS—Con.										
Value of construction work ¹ —Con.										
Nonbuilding construction—Con.										
Mass transit construction—Con.										
Railroads	571 179	234 106	(D)	(D)	658 359	3	3	(D)	(D)	1
Blast furnaces, petroleum refineries, and chemical complexes	4 283 981	2 296 835	730 912	1 256 234	8 668 287	(W)	1	(W)	(W)	(W)
Power plants	4 702 951	2 998 691	527 572	1 176 687	11 025 119	(W)	(W)	1	(W)	(W)
Power plants, nuclear	1 689 526	923 353	183 458	582 716	5 669 737	(W)	(W)	(W)	(W)	(W)
Power plants, except nuclear	3 013 425	2 075 338	344 115	593 972	5 355 382	(W)	(W)	1	(W)	(W)
Sewage treatment and water treatment plants	3 692 550	2 802 444	745 075	145 031	2 516 111	1	1	2	4	1
Sewage treatment plants	2 592 669	1 963 749	542 834	86 086	1 756 324	1	1	2	5	1
Water treatment plants	1 099 881	838 695	202 240	58 945	759 786	1	1	5	6	1
Oilfields	314 686	202 660	31 741	80 285	866 974	3	3	4	5	1
Earthmoving, nonbuilding	2 400 707	1 969 377	229 132	202 198	(NA)	3	2	7	5	(NA)
Other nonbuilding construction	1 308 148	903 748	181 721	222 678	1 200 624	3	3	5	7	1
Construction work, n.s.k.	1 939 128	(NA)	(NA)	(NA)	2 195 999	2	(NA)	(NA)	(NA)	1
SPECIAL TRADE CONTRACTORS										
Value of construction work ¹	200 432 460	114 732 170	41 040 451	32 131 119	129 657 840	(W)	(W)	(W)	(W)	(W)
Building construction	164 128 558	99 982 521	36 178 110	27 076 935	96 453 191	(W)	(W)	(W)	(W)	(W)
Single-family houses	44 864 148	29 672 151	7 739 499	7 452 503	19 756 852	(W)	1	1	1	(W)
Single-family houses, detached	37 459 660	24 087 577	6 910 911	6 461 175	16 367 583	(W)	1	1	1	(W)
Single-family houses, attached	7 404 488	5 584 574	828 588	991 328	3 389 269	1	1	2	2	1
Apartment buildings with two or more apartments	10 124 722	6 977 351	1 327 697	1 819 675	6 583 503	1	1	2	1	(W)
Other residential buildings, including hotels and motels	7 053 121	4 687 907	1 278 445	1 086 769	2 988 989	1	1	2	1	1
Hotels and motels	4 653 026	3 381 176	727 439	544 410	(NA)	1	1	2	1	(NA)
Other residential buildings, excluding hotels and motels	2 400 095	1 306 731	551 006	542 359	(NA)	2	2	3	2	(NA)
Office buildings	29 763 304	18 607 914	7 191 094	3 964 299	22 546 412	(W)	(W)	1	1	(W)
Other commercial buildings such as stores, restaurants, and automobile service stations	22 215 926	13 429 944	4 890 531	3 895 454	8 581 011	(W)	1	1	1	1
Industrial buildings and warehouses	27 599 646	15 305 728	7 001 499	5 292 422	21 232 502	(W)	(W)	1	1	(W)
Industrial buildings	22 695 211	11 983 820	6 092 129	4 619 265	18 146 951	(W)	(W)	1	1	(W)
Warehouses	4 904 435	3 321 908	909 371	673 157	3 085 551	1	1	1	1	1
Religious buildings	2 212 156	1 100 139	603 537	508 481	1 378 097	1	1	2	1	1
Educational buildings	7 424 436	3 789 043	2 445 422	1 189 972	4 714 416	1	1	1	1	1
Hospitals and institutional buildings	8 375 104	4 465 745	2 822 358	1 087 001	6 292 579	(W)	1	1	1	(W)
Farm buildings	546 565	244 762	139 240	162 563	483 617	3	5	7	4	3
Amusement, social, and recreational buildings	1 149 477	675 304	257 962	216 211	928 782	2	2	5	3	1
Other nonresidential buildings	1 908 944	1 026 533	480 826	401 585	966 426	2	2	3	3	1
Land development for buildings	891 009	(NA)	(NA)	(NA)	(NA)	4	(NA)	(NA)	(NA)	(NA)
Nonbuilding construction	24 666 179	14 749 649	4 862 341	5 054 184	18 409 013	1	1	1	1	(W)
Highways, streets, and related facilities	3 149 753	2 082 732	573 843	493 178	3 747 911	1	1	2	2	1
Outdoor swimming pools	2 243 012	1 826 173	202 567	214 272	486 222	3	3	7	5	4
Airport runways	66 050	41 184	20 991	3 874	35 033	9	8	15	14	5
Parking areas including private driveways	2 842 214	1 849 446	449 074	543 695	243 929	2	2	3	3	3
Fencing	1 086 690	856 625	110 696	119 369	307 666	3	4	4	5	5
Recreational facilities such as athletic fields, golf courses, and outdoor tennis courts	119 315	85 056	20 245	14 013	(NA)	6	7	9	10	(NA)
Bridges, tunnels, and elevated highways	504 493	249 451	91 654	163 387	298 576	4	3	6	10	2
Tunnels	120 977	72 818	(D)	(D)	65 045	6	7	(D)	(D)	2
Bridges and elevated highways	383 516	176 633	(D)	(D)	233 531	5	4	(D)	(D)	2
Dam and reservoir construction	34 693	16 173	3 820	14 701	170 720	6	4	9	13	3
Marine construction	36 994	25 023	5 268	6 703	210 134	9	11	6	5	2
Harbor and port facilities	75 495	54 181	10 890	10 423	112 842	5	5	22	8	3
Conservation and development construction	149 965	100 369	(D)	(D)	416 236	9	11	(D)	(D)	3
Power and communication transmission lines, towers, and related facilities	2 401 204	1 195 221	779 435	426 548	1 613 996	2	4	1	4	1
Sewers, water mains, and related facilities	2 431 726	1 653 024	337 365	441 337	2 121 190	2	2	3	3	1
Sewers, sewer lines, and related facilities	1 161 742	770 702	181 623	209 417	1 003 065	2	2	4	4	1
Water mains and related facilities	1 269 984	882 322	155 742	231 921	1 118 124	2	2	3	4	2
Pipeline, other than sewer or water lines	333 502	179 629	79 547	74 327	180 635	3	3	3	8	3
Mass transit construction	428 822	206 975	188 495	33 353	134 317	6	11	1	11	2
Subways	361 432	161 089	176 907	23 436	31 964	1	2	1	2	5
Railroads	67 391	*45 885	11 588	9 917	102 352	35	50	5	37	3
Blast furnaces, petroleum refineries, and chemical complexes	2 318 295	844 340	599 107	874 848	1 771 586	1	1	1	2	(W)
Power plants	2 142 639	1 024 564	519 536	598 539	3 263 510	(W)	(W)	1	1	(W)
Power plants, nuclear	597 240	343 734	107 004	146 502	1 463 530	(W)	(W)	1	1	(W)
Power plants, except nuclear	1 545 399	680 830	412 532	452 037	1 799 980	1	1	1	1	(W)
Sewage treatment and water treatment plants	1 629 595	1 100 164	365 365	164 066	1 345 070	2	2	3	4	1
Sewage treatment plants	956 828	661 422	223 378	72 027	863 052	3	3	3	4	1
Water treatment plants	672 767	438 742	141 987	92 039	482 018	2	2	4	5	1
Oilfields	189 196	96 052	32 326	60 819	583 533	6	7	8	7	2
Earthmoving, nonbuilding	155 141	127 903	(D)	(D)	(NA)	9	8	(D)	(D)	(NA)
Other nonbuilding construction	2 327 385	1 135 364	429 482	762 540	1 365 907	2	2	4	3	2
Construction work, n.s.k.	11 637 723	(NA)	(NA)	(NA)	14 795 635	1	(NA)	(NA)	(NA)	1

See footnotes at end of table.

Table 11. Value of Construction Work for Establishments With Payroll by Industry Group and Type of Construction: 1987 and 1982—Con.

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Industry and type of construction	1987 value of construction work				1982 total construction receipts ¹	Relative standard error of estimate (percent) for column—				
	Total	New construction	Additions, alterations or reconstruction	Maintenance and repair		A	B	C	D	E
	A	B	C	D		A	B	C	D	E
LAND SUBDIVIDERS AND DEVELOPERS, N.E.C.										
Value of construction work ¹	4 635 921	2 969 068	125 018	71 032	2 009 890	2	3	9	3	1
Building construction	4 392 010	2 750 675	118 142	59 606	(S)	3	3	9	19	(S)
Single-family houses	2 136 907	2 072 015	43 756	21 135	(S)	4	4	20	27	(S)
Single-family houses, detached	1 776 942	1 727 780	29 923	19 239	(S)	4	4	14	29	(S)
Single-family houses, attached	359 964	344 235	*13 833	1 895	(S)	8	7	54	26	(S)
Apartment buildings with two or more apartments	205 657	167 630	34 719	3 307	(S)	14	17	8	30	(S)
Other residential buildings, including hotels and motels	172 684	167 904	2 679	2 100	(S)	9	9	15	15	(S)
Hotels and motels	136 285	(D)	(D)	(D)	(NA)	7	(D)	(D)	(D)	(NA)
Other residential buildings, excluding hotels and motels	36 399	(D)	(D)	(D)	(NA)	30	(D)	(D)	(D)	(NA)
Office buildings	153 052	127 812	23 823	1 417	(S)	13	15	18	40	(S)
Other commercial buildings such as stores, restaurants, and automobile service stations	102 962	98 818	3 082	1 061	(S)	13	13	18	5	(S)
Industrial buildings and warehouses	107 296	93 874	9 821	3 600	(S)	17	18	13	14	(S)
Industrial buildings	59 481	51 661	4 755	3 064	(S)	28	30	24	12	(S)
Warehouses	47 814	42 213	5 066	*535	(S)	14	14	9	62	(S)
Other nonresidential buildings	49 866	22 622	*262	26 986	(S)	26	34	65	37	(S)
Land development for buildings	1 463 586	(NA)	(NA)	(NA)	(S)	3	(NA)	(NA)	(NA)	(S)
Nonbuilding construction	236 696	218 393	6 876	11 426	(S)	12	12	32	19	(S)
Construction work, n.s.k.	7 215	(NA)	(NA)	(NA)	(S)	3	(NA)	(NA)	(NA)	(S)

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity done during the year.

Table 12. Quarterly Construction Worker Hours and Employment for Establishments With

[Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Number of establishments	Average number of construction workers	Construction worker hours (thousands)	January to March		April to June	
					A	B	C	D
	Construction industries and land subdividers and developers	544 233	3 988 701	6 743 563	3 649 834	1 482 914	4 022 737	1 705 168
15, 16, 17	Construction industries	536 277	3 979 385	6 728 542	3 641 190	1 479 496	4 013 102	1 701 300
15	Building construction—general contractors and operative builders	157 639	925 717	1 533 862	866 593	348 024	925 726	385 520
152 1521 1522	General contractors, residential buildings: Single-family houses ----- Other residential buildings -----	90 378 8 143	307 305 61 245	470 499 98 455	283 720 60 123	103 906 23 537	312 298 61 354	120 287 25 039
1531	Operative builders -----	20 766	79 502	135 927	76 105	31 584	81 622	34 821
154 1541 1542	General contractors, nonresidential buildings: Industrial buildings and warehouses ----- Nonresidential buildings, n.e.c. -----	7 014 31 337	110 785 366 871	195 425 633 554	104 202 342 442	45 056 143 939	108 678 361 771	48 232 157 139
16	Heavy construction other than building construction—contractors	36 597	683 307	1 245 055	572 514	244 922	705 876	322 158
1611	Highway and street construction -----	10 986	239 111	439 016	173 163	71 791	254 289	117 066
162 1622 1623 1629	Heavy construction, except highway: Bridge, tunnel, and elevated highway construction --- Water, sewer, and utility lines ----- Heavy construction, n.e.c. -----	1 159 9 919 14 532	40 092 165 879 238 204	76 210 309 168 420 660	33 019 143 795 222 536	14 931 64 073 94 125	41 884 166 855 242 847	20 026 77 538 107 526
17	Special trade contractors	342 040	2 370 361	3 949 624	2 202 081	886 549	2 381 499	993 621
1711	Plumbing, heating, and air-conditioning-----	69 566	470 793	844 750	452 744	197 416	469 279	210 144
1721	Painting and paper hanging -----	29 867	145 385	223 559	126 443	47 481	148 094	56 607
1731	Electrical work -----	49 436	405 961	732 100	395 113	173 163	396 921	179 844
174 1741 1742 1743	Masonry, stonework, tile setting, and plastering: Masonry, stone setting, and other stonework ----- Plastering, drywall, and insulation work ----- Terrazzo, tile, marble, and mosaic work -----	23 284 17 809 5 089	150 308 217 392 27 908	221 510 350 749 44 916	133 944 209 597 26 761	45 878 81 998 10 588	152 448 216 084 28 033	56 951 87 403 11 398
175 1751 1752	Carpentry and floor work: Carpentry ----- Floor laying and other floorwork -----	36 009 8 174	164 191 34 666	252 984 55 208	152 637 34 283	56 433 13 053	166 772 34 573	63 953 13 753
1761	Roofing, siding, and sheet metal work -----	25 673	186 916	293 990	168 096	62 867	186 686	73 612
1771	Concrete work -----	23 422	186 840	297 487	154 271	57 758	196 024	78 451
1781	Water well drilling -----	3 414	13 628	25 724	12 735	5 822	14 035	6 635
179 1791 1793 1794 1795 1796 1799	Miscellaneous special trade contractors: Structural steel erection ----- Glass and glazing work ----- Excavation work ----- Wrecking and demolition work ----- Installing building equipment, n.e.c. ----- Special trade contractors, n.e.c. -----	4 017 4 636 13 422 1 240 3 777 23 198	54 729 28 730 79 198 11 686 50 244 141 615	89 451 49 500 137 093 17 545 91 269 221 784	52 494 27 811 68 030 11 005 50 527 125 584	20 851 11 822 27 294 3 925 22 456 47 737	53 652 28 574 81 722 11 427 49 840 147 327	22 008 12 301 35 571 4 406 22 425 58 150
6552	Land subdividers and developers, n.e.c. -----	7 955	9 316	15 021	8 644	3 418	9 635	3 867

¹Construction workers during pay periods including 12th of March, May, August, and November.

Payroll by Industry: 1987

July to September		October to December		Relative standard error of estimate (percent) for column—												1987 SIC code
Construction workers ¹	Hours worked (thousands)	Construction workers ¹	Hours worked (thousands)	B	C	D	E	F	G	H	I	J	K	(W)	(W)	
H	I	J	K	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	
4 282 447	1 845 221	3 999 788	1 710 259	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	15, 16, 17
4 272 272	1 841 151	3 990 977	1 706 593	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	15
990 623	413 734	919 925	386 583	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	152 1521 1522
332 509 64 437	129 217 25 668	300 695 59 098	117 088 24 210	1	1	1	1	1	1	1	1	1	1	1	1	1531
84 477	36 638	75 806	32 882	1	1	1	1	1	1	2	1	1	1	1	1	154 1541 1542
116 929 392 270	51 738 170 470	113 322 371 002	50 397 162 005	1	1	1	1	1	1	1	1	1	1	1	1	16
752 713	356 918	702 123	321 056	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	1611
282 993	138 046	246 032	112 112	(W)	1	(W)	1	(W)	1	(W)	1	(W)	1	1	1	162 1622 1623 1629
45 462 179 450 244 807	22 332 86 365 110 174	40 012 173 426 242 652	18 919 81 190 108 833	1	1	1	1	1	1	1	1	1	1	1	1	17
2 528 934	1 070 499	2 368 928	998 954	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	1711
491 584	223 258	469 567	213 931	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	1721
164 936	64 546	142 139	54 923	1	1	1	1	1	1	1	1	1	1	1	1	1731
422 196	192 009	409 699	187 083	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	174 1741 1742 1743
162 914 226 327 29 017	62 005 92 419 11 721	152 007 217 612 27 822	56 674 88 927 11 208	1	1	1	1	1	1	1	1	1	1	1	1	175 1751 1752
176 368 36 496	69 202 14 684	161 054 33 311	63 393 13 716	1	1	1	1	1	1	1	1	1	1	1	1	1761
202 798	82 076	190 106	75 434	1	1	1	1	1	1	1	1	1	1	1	1	1771
209 991	86 791	187 138	74 486	1	1	1	1	1	1	1	1	1	1	1	1	1781
14 357	6 874	13 391	6 392	2	3	2	3	2	3	2	3	2	3	2	3	179 1791 1793 1794 1795 1796 1799
57 794 29 429 86 598 12 420 50 641 155 062	23 769 12 722 29 108 39 126 4 788 23 282 61 219	54 978 12 653 12 653 80 439 35 100 11 910 4 424 23 105 138 655	22 821 2 2 35 100 1 1 2 1 1 1	1	1	1	1	1	1	1	1	1	1	1	1	
10 174	4 069	8 810	3 665	3	4	3	4	3	4	3	4	3	4	3	4	6552

Table 13. Value of Construction Work For Establishments With Payroll by Location of Construction Work and Industry Group: 1987

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Construction industries and land subdividers and developers	Construction industries				Land subdividers and developers, n.e.c.	Relative standard error of estimate (percent) for column—					
		Total	Building construction—general contractors and operative builders	Heavy construction other than building construction—contractors	Special trade contractors		A	B	C	D	E	F
		A	B	C	D	E	F	(W)	(W)	(W)	(W)	(W)
United States -----	499 982 234	495 346 313	212 628 500	82 285 352	200 432 460	4 635 921	(W)	(W)	(W)	(W)	(W)	2
Alabama-----	6 039 126	6 014 283	2 705 504	1 204 526	2 104 253	24 842	1	1	2	2	2	14
Alaska-----	1 882 643	1 882 043	741 658	651 507	488 878	(S)	2	2	3	3	3	(S)
Arizona-----	10 263 814	10 147 795	4 682 362	1 606 410	3 859 021	116 019	1	1	2	1	1	15
Arkansas-----	2 694 190	2 655 545	1 037 533	731 919	886 092	38 644	1	1	2	2	2	25
California-----	71 375 850	70 267 909	32 061 454	8 753 659	29 452 796	1 107 940	(W)	(W)	1	1	(W)	4
Colorado-----	7 287 928	7 151 238	3 323 673	1 237 439	2 590 125	136 690	1	1	2	1	1	7
Connecticut-----	9 282 522	9 214 546	4 118 444	1 181 151	3 914 950	67 976	1	1	2	2	1	13
Delaware-----	1 843 436	1 825 702	706 184	263 230	856 287	*17 734	2	2	3	3	2	62
District of Columbia-----	2 856 749	2 846 171	1 464 959	271 107	1 110 104	10 578	1	1	1	1	(W)	1
Florida-----	31 949 294	31 404 164	15 448 345	4 451 922	11 503 896	545 129	1	1	1	1	1	6
Georgia-----	14 934 794	14 683 136	6 740 143	2 694 134	5 248 859	251 657	1	1	1	1	1	15
Hawaii-----	3 081 786	3 059 520	1 588 872	444 364	1 026 283	22 266	1	1	2	1	2	5
Idaho-----	1 151 102	1 148 898	467 720	258 998	422 179	2 203	2	2	4	3	3	30
Illinois-----	23 086 672	22 958 677	8 640 834	3 333 783	10 984 059	127 995	1	1	1	1	1	10
Indiana-----	8 433 127	8 388 187	3 267 945	1 366 768	3 753 473	44 940	1	1	3	1	1	29
Iowa-----	3 035 342	3 032 272	1 044 514	719 251	1 268 505	*3 070	1	1	3	2	2	61
Kansas-----	4 341 425	4 290 358	1 618 312	931 871	1 740 173	*51 067	1	1	3	1	1	59
Kentucky-----	5 070 998	5 065 850	1 892 263	1 231 958	1 941 629	5 147	1	1	2	2	1	14
Louisiana-----	5 900 686	5 875 313	1 611 293	2 226 770	2 037 249	*25 372	1	1	2	1	2	45
Maine-----	2 610 939	2 596 347	1 130 138	490 922	975 286	14 592	2	2	3	3	2	11
Maryland-----	13 877 511	13 744 976	6 628 539	1 849 490	5 266 946	132 535	1	1	1	1	1	18
Massachusetts-----	15 679 792	15 572 177	7 135 866	1 784 953	6 651 357	107 615	1	1	1	1	1	11
Michigan-----	15 607 139	15 555 373	6 642 066	2 015 157	6 898 149	51 766	1	1	2	1	1	14
Minnesota-----	8 996 289	8 951 164	3 547 013	1 489 494	3 914 657	45 124	1	1	2	2	1	12
Mississippi-----	2 671 906	2 658 693	1 101 448	688 130	869 114	*13 212	2	2	4	2	2	62
Missouri-----	9 450 891	9 421 556	4 181 399	1 204 521	4 035 636	29 334	1	1	1	2	1	22
Montana-----	1 008 552	1 008 482	288 923	424 454	295 104	(S)	2	2	7	2	4	(S)
Nebraska-----	2 179 792	2 172 491	902 983	376 943	892 564	7 300	2	2	4	3	2	36
Nevada-----	4 100 625	4 067 149	1 686 440	1 035 476	1 345 232	33 476	2	2	6	1	2	21
New Hampshire-----	3 693 661	3 665 136	1 805 276	503 184	1 356 675	28 524	2	2	3	3	3	34
New Jersey-----	21 175 314	20 942 602	8 693 798	3 138 464	9 110 340	232 711	1	1	1	1	1	8
New Mexico-----	2 601 128	2 596 965	1 068 317	638 442	890 205	4 163	2	2	4	2	2	28
New York-----	34 187 680	34 018 804	12 939 622	4 073 377	17 005 804	168 876	(W)	(W)	1	1	(W)	13
North Carolina-----	13 130 983	12 996 816	6 295 016	2 183 775	4 518 024	134 167	1	1	2	1	1	11
North Dakota-----	954 682	954 682	321 445	285 764	347 472	—	3	3	7	3	3	—
Ohio-----	17 297 754	17 260 988	7 359 525	2 596 997	7 304 465	36 766	1	1	1	1	1	23
Oklahoma-----	3 095 102	3 079 438	1 079 979	776 822	1 222 636	15 663	1	1	3	2	2	26
Oregon-----	3 706 502	3 678 558	1 429 642	725 033	1 523 882	27 943	1	1	3	3	3	21
Pennsylvania-----	21 142 311	21 093 173	8 339 245	3 774 617	8 979 311	49 138	1	1	1	1	1	8
Rhode Island-----	1 856 546	1 837 558	827 202	220 112	790 244	18 987	2	2	4	4	3	38
South Carolina-----	6 283 112	6 228 466	2 734 209	1 330 703	2 163 554	54 646	1	1	2	2	1	4
South Dakota-----	803 328	802 118	267 807	230 574	303 736	1 209	2	2	5	4	4	4
Tennessee-----	8 706 647	8 634 687	4 040 928	1 467 353	3 126 405	71 960	1	1	2	2	1	23
Texas-----	30 195 664	29 717 203	11 621 182	8 079 434	10 016 586	478 460	(W)	(W)	1	1	1	7
Utah-----	2 565 695	2 539 529	926 089	614 852	998 587	26 166	2	2	4	2	2	22
Vermont-----	1 404 339	1 390 168	687 461	183 130	519 577	14 171	4	4	7	3	3	13
Virginia-----	17 419 182	17 281 792	8 248 883	2 637 434	6 395 474	137 389	1	1	2	1	1	15
Washington-----	9 075 377	8 998 945	4 026 842	1 578 068	3 394 035	76 431	1	1	2	3	1	13
West Virginia-----	1 889 279	1 888 075	566 048	657 865	664 161	*1 204	1	1	4	2	2	49
Wisconsin-----	7 169 981	7 147 616	2 709 335	1 254 086	3 184 194	*22 364	1	1	3	2	1	41
Wyoming-----	933 027	932 958	233 800	414 937	284 219	*69	2	2	5	2	4	49

Table 14. **Dollar Value of Business Done for Establishments With Payroll by Kind of Business Activity: 1987**

[Thousand dollars. Detail may not add to total due to rounding. Based on their primary business activity or combination of activities, establishments were classified into a specific industry group. These establishments, however, may also be engaged in other kinds of business activities. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes.]

Primary and other kinds of business activity	Construction industries and land subdividers and developers	Construction industries				Land subdividers and developers, n.e.c.	Relative standard error of estimate (percent) for column—					
		Total	Building construction—general contractors and operative builders	Heavy construction other than building construction—contractors	Special trade contractors		A	B	C	D	E	F
		A	B	C	D		A	B	C	D	E	F
All kinds of business -----	522 465 362	514 937 598	225 188 140	85 672 568	204 076 888	7 527 764	(W)	(W)	(W)	(W)	(W)	2
General building contractor -----	148 316 190	148 214 732	145 789 348	1 705 250	720 132	101 458	(W)	(W)	(W)	1	3	11
Operative builder -----	47 327 869	47 091 208	47 030 988	7 709	52 510	236 660	1	1	1	10	12	8
Residential remodeling contractor -----	9 685 958	9 682 688	9 475 027	4 567	203 093	(S)	1	1	1	24	7	(S)
Highway and street contractor -----	21 272 611	21 272 525	216 647	20 743 248	312 629	(S)	(W)	(W)	2	(W)	3	(S)
Paving contractor -----	10 338 946	10 337 923	52 301	9 326 249	959 372	(S)	1	1	6	1	4	(S)
Heavy construction -----	50 214 619	50 204 983	1 422 737	47 774 255	1 007 991	(S)	(W)	(W)	1	(W)	2	(S)
Heavy construction contractor -----	40 377 945	40 368 309	1 324 439	38 371 682	672 187	(S)	(W)	(W)	1	(W)	2	(S)
Cable laying contractor -----	1 604 902	1 604 902	(D)	1 579 490	(D)	—	2	2	(D)	2	(D)	—
Dredging contractor -----	550 592	550 592	(D)	548 679	(D)	—	1	1	(D)	1	(D)	—
Trenching contractor -----	601 043	601 043	1 964	586 459	12 619	—	3	3	11	3	12	—
Excavating and earthmoving contractor -----	6 639 595	6 639 595	93 179	6 271 510	274 905	—	1	1	8	1	4	—
Pile driving contractor -----	318 516	318 516	(D)	301 652	(D)	—	3	3	(D)	3	(D)	—
Blasting contractor -----	122 023	122 023	—	114 780	7 242	—	8	8	—	9	16	—
Subdivider and developer -----	4 465 788	1 040 216	1 018 249	13 164	8 802	3 425 571	2	3	3	36	33	3
Subdividing land owned by others -----	772 537	751 481	60 261	39 270	651 948	(S)	4	4	11	16	4	(S)
Air-conditioning contractor -----	2 672 787	2 672 787	2 176	2 818	2 667 791	—	1	1	4	16	1	—
Building sprinkler system contractor -----	1 970 086	1 970 086	—	3 767	1 966 318	—	1	1	—	17	1	—
Energy management contractor -----	110 307	110 307	—	110 307	—	—	7	7	—	7	—	—
Heating contractor -----	2 608 602	2 608 602	7 051	3 879	2 597 670	—	1	1	20	6	1	—
Lawn sprinkler system contractor -----	327 478	327 478	*272	5 342	321 863	—	5	5	49	11	5	—
Mechanical contractor -----	9 223 322	9 223 322	23 127	42 115	9 158 079	—	1	1	3	10	1	—
Plumbing contractor -----	13 561 747	13 561 747	29 546	26 811	13 505 389	—	1	1	9	6	1	—
Refrigeration contractor -----	1 201 130	1 201 130	9 365	—	1 191 765	—	3	3	1	—	3	—
Septic system contractor -----	509 131	509 131	8 818	23 453	476 860	—	4	4	17	10	5	—
Steam fitting and piping contractor -----	2 057 661	2 057 661	(D)	2 039 812	—	—	1	1	(D)	(D)	1	—
Heating, ventilation, and air-conditioning contractor -----	13 504 933	13 504 933	24 899	27 546	13 452 487	—	1	1	3	1	1	—
Painting construction -----	7 077 211	7 076 311	44 468	12 020	7 019 822	(S)	1	1	6	8	1	(S)
Bridge painting contractor -----	164 711	164 711	(D)	(D)	161 898	—	9	9	(D)	(D)	10	—
Painting contractor -----	6 654 341	6 653 441	42 350	3 288	6 607 802	(S)	1	1	7	9	1	(S)
Ship painting contractor -----	71 684	71 684	—	—	71 684	—	6	6	—	6	—	—
Traffic lane painting contractor -----	186 473	186 473	—	8 035	178 437	—	7	7	—	13	7	—
Paper hanging contractor -----	743 128	743 128	5 704	—	737 423	—	2	2	15	—	2	—
Electrical contractor -----	29 672 497	29 672 497	41 715	55 890	29 574 891	—	(W)	(W)	7	1	(W)	—
Electric power contractor -----	27 096 254	27 096 254	40 377	37 088	27 018 788	—	(W)	(W)	7	2	(W)	—
Electronic control system contractor -----	1 709 205	1 709 205	(D)	(D)	1 700 629	—	1	1	(D)	(D)	1	—
Highway lighting and signal contractor -----	867 037	867 037	145	11 417	855 474	—	2	2	24	(W)	2	—
Fire and security systems contractors -----	1 981 378	1 981 378	1 723	575	1 979 079	—	1	1	9	21	1	—
Telecommunications contractor -----	3 887 235	3 887 235	1 915	16 906	3 868 412	—	1	1	28	21	1	—
Masonry contractor -----	8 618 754	8 618 575	38 447	8 899	8 571 228	(S)	1	1	12	16	1	(S)
Marble contractor, exterior -----	234 159	234 159	(D)	(D)	233 339	—	5	5	(D)	(D)	5	—
Masonry contractor, block and brick -----	6 887 226	6 887 226	26 828	4 494	6 855 902	—	1	1	12	32	1	—
Stonework contractor -----	434 171	434 171	(D)	(D)	426 104	—	5	5	(D)	(D)	6	—
Foundation contractor, masonry -----	1 063 016	1 063 016	7 033	(S)	1 055 881	(S)	3	3	27	(S)	3	(S)
Acoustical contractor -----	1 888 370	1 888 370	15 049	—	1 873 320	—	1	1	4	—	1	—
Drywall contractor -----	7 883 302	7 883 302	37 524	*2 823	7 842 955	—	1	1	5	51	1	—
Insulation contractor -----	3 485 155	3 485 155	6 580	—	3 478 574	—	1	1	20	—	1	—
Lathing contractor -----	(D)	(D)	—	—	710 004	(D)	(D)	(D)	(D)	2	—	2
Plastering contractor -----	1 820 034	1 820 034	8 641	—	1 811 393	—	2	2	13	—	2	—
Marble contractor, interior -----	342 349	342 349	599	—	341 750	—	3	3	35	—	4	—
Mosaic contractor -----	7 670	7 670	—	—	7 670	—	18	18	—	—	18	—
Terrazzo contractor -----	170 671	170 671	—	—	170 671	—	4	4	—	—	4	—
Tile setting contractor -----	1 867 234	1 867 234	2 838	—	1 864 396	—	2	2	39	—	2	—
Carpentry contractor -----	9 628 458	9 628 458	137 919	7 328	9 483 210	—	1	1	6	17	1	—
Garage door installation contractor -----	882 472	882 472	3 191	—	879 280	—	4	4	21	—	4	—
Floor covering contractor, except wood -----	988 091	988 091	3 059	*2 380	982 651	—	2	2	15	59	2	—
Computer or resilient floor installation contractor -----	307 419	307 419	1 270	*799	305 350	—	8	8	39	42	8	—
Linoleum, asphalt or vinyl tile installation contractor -----	680 672	680 672	1 789	(S)	677 301	—	2	2	15	(S)	2	—
Carpet laying or removal contractor -----	1 798 830	1 798 830	(D)	(D)	1 797 569	—	2	2	(D)	(D)	2	—
Flooring contractor, wood -----	676 287	676 287	(D)	(D)	675 112	—	3	3	(D)	(D)	3	—
Architectural sheet metal contractor -----	1 009 582	1 009 582	4 892	*32	1 004 657	—	2	2	19	52	2	—
Roofing contractor -----	8 870 759	8 870 759	45 274	4 903	8 820 581	—	1	1	8	(W)	1	—
Sheet metal contractor -----	4 091 395	4 091 395	(D)	(D)	4 085 372	—	1	1	(D)	(D)	1	—
Siding contractor -----	1 222 957	1 222 957	(D)	(D)	1 198 146	—	4	4	(D)	(D)	4	—
Specialty sheet metal contractor -----	324 885	324 885	(D)	(D)	321 258	—	6	6	(D)	(D)	6	—
Concrete construction -----	13 919 684	13 919 684	136 197	312 051	13 471 434	—	1	1	3	2	1	—
Asphalt contractor -----	2 567 925	2 567 925	2 643	161 367	2 403 914	—	2	2	28	4	2	—
Concrete contractor -----	7 926 570	7 926 570	83 487	96 520	7 746 562	—	1	1	4	4	1	—
Gunité contractor -----	186 541	186 541	(D)	(D)	186 166	—	4	4	(D)	(D)	4	—
Culvert and curb contractor -----	269 177	269 177	2 286	26 329	240 561	—	6	6	28	7	7	—
Foundation contractor, concrete -----	2 969 469	2 969 469	47 636	27 604	2 894 229	—	1	1	4	6	1	—
Water well drilling contractor -----	1 269 128	1 269 128	—	7 614	1 261 514	—	2	2	—	11	2	—
Reinforcing steel contractor -----	975 851	975 827	3 677	7 566	964 583	(S)	2	2	10	(W)	2	(S)
Structural steel erection contractor -----	3 096 452	(D)	27 688	(D)	3 048 731	(D)	1	(D)	15	(D)	1	(D)
Curtain wall installation contractor -----	233 424	233 424	1 532	—	231 892	—	1	1	(W)	—	1	—
Glass and glazing contractor -----	3 070 146	3 070 146	(D)	(D)	3 064 692	—	1	1	(D)	(D)	1	—
Glass coating and tinting contractor -----	17 532	17 532	—	—	17 532	—	26	26	—	—	26	—

Table 14. Dollar Value of Business Done for Establishments With Payroll by Kind of Business Activity: 1987—Con.

[Thousand dollars. Detail may not add to total due to rounding. Based on their primary business activity or combination of activities, establishments were classified into a specific industry group. These establishments, however, may also be engaged in other kinds of business activities. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Primary and other kinds of business activity	Construction industries and land subdividers and developers	Construction industries				Land subdividers and developers, n.e.c.	Relative standard error of estimate (percent) for column—						
		Total	Building construction—general contractors and operative builders	Heavy construction other than building construction—contractors	Special trade contractors		A	B	C	D	E	F	
		A	B	C	D		A	B	C	D	E	F	
All kinds of business—Con.													
Excavation contractor, for buildings-----	5 315 318 (D)	5 310 770 (D)	78 126	310 274	4 922 369	(S) (D)	1	1	7	3	1	(S) (D)	
Foundation contractor, digging of-----			10 957	93 965	1 417 547					4	2		
Wrecking and demolition construction-----	1 007 059	1 007 059	5 035	31 356	970 667	-	1	1	17	6	1	-	
Steel tank dismantling contractor-----	9 499	9 499	(D)	(D)	7 310	-	24	24	(D)	(D)	30	-	
Wrecking and demolition contractor-----	918 999	918 999	4 138	26 942	887 918	-	1	1	21	6	1	-	
Concrete breaking contractor, highways and streets-----	78 560	78 560	(D)	(D)	75 438	-	9	9	(D)	(D)	9	-	
Elevator contractor-----	2 878 677	2 878 677	(S)	*1 032	2 877 269	-	(W)	(W)	(S)	59	(W)	-	
Escalator contractor-----	153 614	153 614	(D)	(D)	152 664	-	1	1	(D)	(D)	1	-	
Millwright-----	2 096 995	2 096 995	45 923	23 478	2 027 593	-	2	2	2	3	2	-	
Antenna installation contractor-----	84 367	84 367	(S)	*3 310	80 777	-	11	11	(S)	44	11	-	
Fencing contractor-----	1 346 489	1 346 489	*3 358	19 479	1 323 651	-	3	3	42	6	3	-	
House moving contractor-----	143 747	143 747	(D)	(D)	137 288	-	9	9	(D)	(D)	9	-	
Iron work contractor-----	573 833	573 833	761	(S)	573 066	-	3	3	23	(S)	3	-	
Insulation contractor, pipe and duct work-----	(D)	(D)	-	(D)	1 171 148	-	(D)	(D)	-	(D)	2	-	
Sandblasting contractor-----	195 745	195 745	-	988	194 757	-	8	8	-	16	8	-	
Scaffolding contractor-----	127 259	127 259	305	-	126 953	-	4	4	(W)	-	4	-	
Service station equipment installation contractor-----	529 874	529 874	4 884	(S)	524 600	-	4	4	8	(S)	4	-	
Swimming pool contractor-----	2 009 910	2 009 910	4 445	2 048	2 003 416	-	3	3	31	35	3	-	
Test boring or core drilling contractor-----	205 604	205 604	(D)	(D)	194 906	-	5	5	(D)	(D)	5	-	
Waterproofing, dampproofing and fireproofing contractor-----	944 277	944 277	10 412	197	933 667	-	2	2	2	27	2	-	
Welding contractor, on site-----	443 152	443 152	1 716	5 580	435 855	-	4	4	26	17	4	-	
Other construction activities-----	5 098 593	4 940 439	912 020	618 841	3 409 645	199 074	1	1	2	3	2	8	
Architectural services-----	197 545	195 035	174 540	17 707	2 788	(S)	2	2	3	3	15	(S)	
Construction management-----	2 571 859	2 554 990	1 683 317	847 089	24 582	(S)	1	1	1	(W)	17	(S)	
Engineering services-----	559 404	553 551	122 371	409 994	21 185	(S)	2	2	8	(W)	11	(S)	
Manufacturing-----	1 084 273	1 084 273	167 769	589 507	326 996	-	1	1	3	1	2	-	
Real estate agents and managers-----	649 276	583 017	565 779	3 035	14 202	66 259	2	2	2	10	10	8	
Rental of construction machinery or equipment to others-----	646 834	644 072	129 470	316 710	197 891	(S)	1	1	2	1	2	(S)	
Retail trade-----	1 718 091	(D)	(D)	(D)	1 268 072	(D)	1	(D)	(D)	(D)	1	(D)	
Sale of land-----	9 980 610	7 818 509	7 760 751	41 500	16 257	2 162 101	1	1	1	19	9	2	
Wholesale trade-----	592 069	(D)	(D)	(D)	490 995	(D)	1	(D)	(D)	(D)	2	(D)	
Investment builder-----	865 958	823 292	810 273	942	12 076	42 666	2	2	2	34	7	13	
Other activities-----	3 430 120	3 262 372	1 064 080	939 092	1 259 200	225 173	1	1	1	1	1	3	
Kind of business activity, n.s.k.-----	11 942 012	10 873 210	5 526 440	946 583	4 400 186	1 068 802	1	1	1	3	2	4	

Table 15. All Business Receipts for Establishments With Payroll by Kind of Business Activity: 1982

[Thousand dollars. Detail may not add to total due to rounding. Based on their primary business activity or combination of activities, establishments were classified into a specific industry group. These establishments, however, may also be engaged in other kinds of business activities. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes.]

Primary and other kinds of business activity	All business receipts for establishments classified as—					Relative standard error of estimate (percent) for column—			
	Construction industries and land subdividers and developers ¹	Building construction—general contractors and operative builders	Heavy construction other than building construction—contractors	Special trade contractors					
	A	B	C	D	A	B	C	D	
All kinds of business.....	324 512 432	117 099 771	71 023 574	132 964 554	(W)	(W)	(W)	(W)	
General building contractor.....	79 958 530	75 960 546	3 251 665	643 625	(W)	(W)	1	2	
Operative builder.....	15 914 382	15 802 463	2 367	17 477	1	1	35	13	
Investment builder.....	477 841	439 963	(D)	4 909	2	2	(D)	14	
Highway and street contractor.....	15 063 284	525 298	14 116 576	421 410	(W)	2	(W)	2	
Heavy construction contractor.....	44 552 545	1 331 033	41 893 686	1 324 768	(W)	1	(W)	1	
Subdivider and developer.....	1 510 403	199 797	1 032	9 915	1	3	26	6	
Developer of land owned by others.....	535 952	20 965	190 617	317 767	2	7	2	3	
Construction management.....	6 691 763	4 725 012	1 935 652	29 088	(W)	(W)	(W)	5	
Acoustical contractor.....	1 310 018	15 573	54	1 294 390	1	20	37	1	
Air conditioning contractor.....	7 752 577	7 583	3 315	7 741 677	(W)	11	7	(W)	
Architectural steel contractor.....	225 284	3 218	54	222 011	3	10	37	3	
Carpentry contractor.....	5 208 383	639 320	11 452	4 557 574	1	2	5	1	
Concrete contractor.....	6 644 192	480 690	521 645	5 641 855	1	2	2	1	
Drywall contractor.....	3 777 769	13 149	219	3 764 400	1	13	9	1	
Electrical contractor.....	21 586 521	24 819	16 261	21 544 379	(W)	4	4	(W)	
Elevator contractor.....	(D)	*18	(D)	2 342 648	(D)	56	(D)	(W)	
Escalator contractor.....	222 798	(S)	1 388	220 714	2	(S)	23	2	
Excavating and grading contractor.....	6 849 195	34 438	808 232	6 004 085	1	8	1	1	
Fencing contractor.....	992 572	1 915	5 386	985 271	2	33	4	2	
Floor covering contractor, except wood.....	1 501 039	(D)	(D)	1 496 776	2	(D)	(D)	2	
Flooring contractor, wood.....	272 010	942	*24	271 043	3	32	72	4	
Foundation contractor.....	777 026	5 616	6 695	764 714	2	25	4	2	
Glass and glazing contractor.....	2 364 471	15 679	*142	2 348 650	1	3	45	1	
Heating contractor.....	6 294 080	4 250	10 569	6 279 260	1	17	2	1	
Insulation contractor.....	2 947 248	(D)	(D)	2 938 548	1	(D)	(D)	1	
Iron work contractor.....	507 457	368	56	507 032	2	27	36	2	
Lathing contractor.....	363 708	(D)	(D)	362 495	2	(D)	(D)	2	
Masonry contractor, brickwork.....	2 531 761	19 754	405	2 511 601	1	7	11	1	
Masonry contractor, other than brickwork.....	1 498 770	8 049	4 822	1 485 097	1	6	4	1	
Millwright.....	1 539 157	27 014	20 019	1 492 123	1	3	4	1	
Painting contractor.....	4 107 236	22 683	2 512	4 082 041	1	8	25	1	
Paper hanging contractor.....	391 401	415	*537	390 447	2	11	59	2	
Paving contractor.....	4 331 498	7 963	2 278 825	2 044 709	1	4	1	1	
Plastering contractor.....	913 038	(D)	(D)	910 655	2	(D)	(D)	2	
Plumbing contractor.....	11 127 910	132 774	26 710	10 968 425	1	4	2	1	
Refrigeration contractor.....	937 959	(S)	3 074	934 493	2	(S)	9	2	
Residential remodeling contractor.....	3 766 392	3 471 775	6 758	287 560	1	1	10	3	
Roofing contractor.....	5 574 188	38 140	808	5 535 239	1	12	35	1	
Sheet metal contractor.....	4 103 209	897	1 533	4 100 778	1	35	5	1	
Siding contractor.....	795 864	9 273	54	786 537	2	15	37	2	
Structural steel erection contractor.....	2 607 401	20 617	15 714	2 571 069	1	4	1	1	
Swimming pool contractor.....	1 018 768	8 010	1 407	1 009 043	2	12	32	2	
Terrazzo contractor.....	(D)	(D)	—	106 678	(D)	(D)	—	4	
Tile contractor, ceramic.....	1 048 947	3 530	21 232	1 024 184	2	40	(W)	2	
Water well drilling contractor.....	954 112	*226	12 944	940 942	2	63	11	2	
Waterproofing, dampproofing, and fireproofing contractor.....	844 969	4 311	5 489	835 167	1	23	4	1	
Wrecking and demolition contractor.....	436 312	2 591	15 292	418 428	1	27	2	1	
Reinforcement steel contractor.....	592 039	1 058	2 019	588 962	1	13	2	1	
Mechanical contractor.....	1 928 761	26 320	13 510	188 930	(W)	(W)	(W)	(W)	
Architectural and engineering services for others.....	2 688 684	285 289	2 282 463	117 294	(W)	1	(W)	2	
Manufacturing.....	882 915	134 074	464 552	283 954	1	2	(W)	1	
Real estate agents and managers.....	296 605	222 578	18 329	28 964	2	2	1	7	
Rental of construction machinery or equipment to others.....	469 285	90 985	207 861	168 431	1	3	1	2	
Retail trade.....	1 322 925	236 551	308 089	748 914	1	3	1	1	
Sale of land.....	1 101 307	714 744	26 016	22 362	2	1	5	11	
Transportation services.....	137 139	26 634	44 162	66 235	2	10	2	3	
Wholesale trade.....	512 653	52 579	66 760	392 830	1	4	3	1	
Other activities.....	29 296 706	11 263 971	2 384 070	14 165 981	1	1	2	2	

¹Includes data for land subdividers and developers (SIC 6552) not shown separately.

Table 16. Selected Industry Ratios for Establishments With Payroll: 1987

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Average number of employees** per estab- lishment	Payroll per employee (\$1,000)	Construction worker hours per construction worker	Value of construction work per construction worker (\$1,000)	Average per dollar value of construction work			
						Payroll, all employees	Cost of materials, components, supplies, and fuels	Cost of construction work sub- contracted to others	Rental cost for machinery, equipment, and buildings
	Construction industries and land subdividers and developers -----	9.3	22.0	1 690.7	125.3	.222	.301	.264	.016
15, 16, 17	Construction industries -----	9.4	22.0	1 690.8	124.5	.222	.303	.263	.016
15	Building construction—general contractors and operative builders -----	8.1	21.8	1 656.9	229.7	.131	.240	.478	.008
152	General contractors, residential buildings:								
1521	Single-family houses -----	4.4	15.8	1 531.0	127.2	.160	.342	.301	.008
1522	Other residential buildings -----	10.0	21.4	1 607.6	217.4	.132	.216	.530	.007
1531	Operative builders -----	8.1	26.0	1 709.7	615.8	.090	.269	.452	.005
154	General contractors, nonresidential buildings:								
1541	Industrial buildings and warehouses-----	20.4	25.3	1 764.0	193.7	.169	.236	.483	.011
1542	Nonresidential buildings, n.e.c. -----	15.6	24.2	1 726.9	244.8	.132	.185	.560	.008
16	Heavy construction other than building construction—contractors -----	22.6	24.7	1 822.1	120.4	.248	.327	.168	.035
1611	Highway and street construction-----	25.9	24.8	1 836.0	142.9	.206	.358	.181	.037
162	Heavy construction, except highway:								
1622	Bridge, tunnel, and elevated highway construction -----	41.0	25.1	1 900.9	136.7	.217	.338	.236	.024
1623	Water, sewer, and utility lines -----	19.9	22.8	1 863.8	102.5	.265	.306	.115	.037
1629	Heavy construction, n.e.c. -----	20.5	25.7	1 766.0	107.6	.299	.296	.173	.033
17	Special trade contractors -----	8.5	21.3	1 666.3	84.6	.309	.359	.073	.016
1711	Plumbing, heating, and air-conditioning -----	8.9	23.2	1 794.3	105.1	.289	.390	.101	.013
1721	Painting and paper hanging -----	5.7	17.5	1 537.7	54.7	.375	.227	.064	.016
1731	Electrical work -----	10.3	24.9	1 803.4	88.3	.353	.371	.033	.012
174	Masonry, stonework, tile setting, and plastering:								
1741	Masonry, stone setting, and other stonework -----	7.3	17.4	1 473.7	58.0	.338	.328	.051	.013
1742	Plastering, drywall, and insulation work -----	14.2	21.6	1 613.4	75.6	.334	.348	.079	.012
1743	Terrazzo, tile, marble, and mosaic work -----	6.8	21.3	1 609.4	81.4	.323	.400	.039	.009
175	Carpentry and floor work:								
1751	Carpentry -----	5.3	17.2	1 540.8	68.5	.291	.371	.107	.010
1752	Floor laying and other floorwork -----	5.5	20.3	1 592.6	105.3	.248	.441	.077	.012
1761	Roofing, siding, and sheet metal work -----	9.0	18.7	1 572.8	80.4	.287	.392	.056	.014
1771	Concrete work -----	9.3	19.1	1 592.2	80.6	.277	.370	.080	.023
1781	Water well drilling -----	5.2	19.0	1 887.6	97.6	.252	.419	.023	.013
179	Miscellaneous special trade contractors:								
1791	Structural steel erection -----	16.3	24.4	1 634.4	88.8	.328	.288	.072	.026
1793	Glass and glazing work -----	8.7	22.7	1 722.9	112.2	.285	.513	.025	.018
1794	Excavation work -----	7.1	21.6	1 731.0	104.1	.250	.242	.091	.056
1795	Wrecking and demolition work -----	11.4	18.5	1 501.4	78.1	.287	.120	.074	.052
1796	Installing building equipment, n.e.c. -----	16.5	29.9	1 816.5	106.7	.347	.267	.065	.014
1799	Special trade contractors, n.e.c. -----	7.6	17.5	1 566.1	76.4	.286	.341	.091	.018
6552	Land subdividers and developers, n.e.c. -----	5.0	21.8	1 612.4	497.6	.187	.145	.460	.008

**Table 17. Selected Statistics for Establishments With Payroll by Industry: Percent Change
1987/1982**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	Employees**		Payroll		Value of construction work ¹	Net value of construction work†	Selected costs		Value added††	Total capital expendi- tures, other than land
		All	Construction workers	All em- ployees	Construction workers			Materials, compo- nents, supplies, and fuels	Construction work subcon- tracted to others		
	Construction industries and land subdividers and developers	18.2	15.5	41.2	32.5	60.2	57.6	56.2	67.6	57.7	60.7
15, 16, 17	Construction industries	18.4	15.7	41.1	32.6	59.7	57.4	56.2	66.5	57.3	60.8
15	Building construction—general contractors and operative builders	28.7	22.4	63.5	47.7	87.8	93.5	99.4	81.9	95.1	52.2
152	General contractors, residential buildings:										
1521	Single-family houses	28.0	21.2	73.9	58.0	99.0	93.5	98.7	113.0	90.1	86.4
1522	Other residential buildings	30.3	22.3	62.6	48.8	69.7	75.3	66.6	65.1	87.6	4.9
1531	Operative builders	57.0	49.4	134.0	108.3	213.7	203.6	248.3	226.9	176.3	109.5
154	General contractors, nonresidential buildings:										
1541	Industrial buildings and warehouses	-7.0	-8.8	12.0	6.5	20.3	19.4	33.0	21.4	19.6	24.3
1542	Nonresidential buildings, n.e.c.	35.7	31.9	63.1	52.5	71.7	83.4	73.6	63.5	98.4	20.4
16	Heavy construction other than building construction—contractors	-2.9	-2.8	5.0	.7	22.3	25.2	20.3	9.8	24.6	74.7
1611	Highway and street construction	33.8	32.6	76.5	72.0	88.1	86.7	69.1	94.9	98.3	109.7
162	Heavy construction, except highway:										
1622	Bridge, tunnel, and elevated highway construction	26.4	23.5	46.1	36.9	56.4	48.9	33.5	87.1	65.5	85.9
1623	Water, sewer, and utility lines	5.9	3.4	26.2	17.9	42.3	43.9	43.4	31.2	44.0	48.2
1629	Heavy construction, n.e.c.	-28.3	-27.7	-30.7	-33.8	-23.8	-19.6	-24.8	-39.1	-19.3	49.8
17	Special trade contractors	21.8	19.8	48.8	42.1	54.6	54.8	49.9	51.4	56.0	55.4
1711	Plumbing, heating, and air-conditioning	20.6	18.4	45.3	37.9	51.6	54.3	51.6	30.7	52.8	64.1
1721	Painting and paper hanging	24.9	19.8	58.8	50.1	71.0	69.3	67.8	100.3	70.1	63.3
1731	Electrical work	17.1	15.4	39.1	31.0	38.1	37.2	25.0	69.6	44.3	38.1
174	Masonry, stonework, tile setting, and plastering:										
1741	Masonry, stone setting, and other stonework	40.1	37.2	90.0	83.1	104.1	104.4	98.1	99.5	105.3	118.1
1742	Plastering, drywall, and insulation work	26.9	26.8	53.5	48.4	66.8	64.3	60.3	104.0	62.2	61.1
1743	Terrazzo, tile, marble, and mosaic work	35.3	28.6	91.1	80.9	90.8	88.4	77.4	174.8	97.8	170.5
175	Carpentry and floor work:										
1751	Carpentry	43.7	40.4	103.0	93.0	106.3	111.0	120.5	74.0	107.5	98.6
1752	Floor laying and other floorwork	37.8	36.4	82.4	77.2	103.6	98.6	90.8	191.5	105.9	115.3
1761	Roofing, siding, and sheet metal work	20.7	17.6	42.1	34.1	52.8	52.3	45.3	62.1	56.1	58.2
1771	Concrete work	38.8	35.6	80.7	72.4	83.4	86.0	78.1	58.2	88.0	106.3
1781	Water well drilling	2.6	-.5	34.6	30.7	31.2	31.9	31.2	6.1	35.0	82.5
179	Miscellaneous special trade contractors:										
1791	Structural steel erection	6.1	4.0	23.4	16.6	37.3	39.5	44.7	14.6	36.9	3.7
1793	Glass and glazing work	13.0	8.8	32.0	23.2	33.0	33.0	31.9	34.1	31.0	32.5
1794	Excavation work	-29.9	-31.2	-4.3	-9.1	.8	2.1	-6.1	-10.8	3.6	15.0
1795	Wrecking and demolition work	67.9	62.3	101.0	82.4	142.1	147.9	105.9	87.2	149.2	159.6
1796	Installing building equipment, n.e.c.	3.3	2.3	28.2	26.4	27.9	26.2	31.8	60.1	26.1	3.7
1799	Special trade contractors, n.e.c.	37.9	38.7	68.5	70.4	78.0	74.9	66.6	115.3	79.3	66.2
6552	Land subdividers and developers, n.e.c.	-1.0	-38.5	52.5	-2.8	130.7	98.4	57.9	185.1	119.8	57.8

¹In earlier censuses, construction receipts only were collected. In 1987, the value of construction work was collected to better measure actual construction activity done during the year.

Table 18. Employment and Payroll for Auxiliary Establishments by Industry Group: 1987

[Detail may not add to total due to rounding For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

1987 SIC code	Industry	All auxiliaries	Centralized administration offices	Warehousing	Research and development	Other activities
		A	B	C	D	E
	CONSTRUCTION INDUSTRIES AND LAND SUBDIVIDERS AND DEVELOPERS					
	Number of establishments	449	364	12	8	65
	All employees as of March 12	20 713	17 730	162	362	2 459
	Annual payroll, all employees	720 277	635 071	4 938	12 078	68 190
15, 16, 17	Construction industries					
	Number of establishments	429	347	12	7	63
	All employees as of March 12	19 563	16 616	162	(D)	(D)
	Annual payroll, all employees	679 561	595 021	4 938	(D)	(D)
15	Building construction—general contractors and operative builders					
	Number of establishments	123	105	5	2	11
	All employees as of March 12	5 667	4 693	(D)	(D)	740
	Annual payroll, all employees	185 738	163 074	(D)	(D)	15 764
16	Heavy construction other than building construction—contractors					
	Number of establishments	145	105	3	4	33
	All employees as of March 12	6 504	5 158	(D)	(D)	1 123
	Annual payroll, all employees	242 314	197 235	(D)	(D)	37 122
17	Special trade contractors					
	Number of establishments	161	137	4	1	19
	All employees as of March 12	7 392	6 765	(D)	(D)	562
	Annual payroll, all employees	251 509	234 712	(D)	(D)	14 820
6552	Land subdividers and developers, n.e.c.					
	Number of establishments	20	17	-	1	2
	All employees as of March 12	1 150	1 114	-	(D)	(D)
	Annual payroll, all employees	40 716	40 050	-	(D)	(D)

Note: Annual payroll, all employees shown in thousand dollars.

APPENDIX A.

Explanation of Terms

Construction—Is composed of three broad categories:

1. **New construction**—Includes the complete, original erection of structures and essential service facilities and the initial installation of integral equipment such as elevators, and plumbing, heating, and air-conditioning supplies and equipment.
2. **Additions, alterations or reconstruction**—Includes construction activity making structural changes to existing facilities. Generally, this type of activity is considered a capital investment in the property.
3. **Maintenance and repair**—Includes construction done for the purpose of upkeep of property rather than additional investment in the property.

Examples of the general distinction between maintenance and repair and reconstruction are provided here: roof repairs, including the replacement of shingles, gutters, etc., are classified under maintenance and repairs. A complete reroofing, however, is classified as reconstruction.

Number of establishments in business during year—Includes all establishments that were in business at any time during the year. It covers all full-year and part-year operations. Construction establishments which were inactive or idle for the entire year were not included.

Proprietors and working partners—These data were not collected on the census report forms. The data shown are based on crediting each sole proprietorship establishment with one active proprietor and each partnership establishment with two working partners.

All employees—Comprise all full-time and part-time employees on the payrolls of construction establishments, who worked or received pay for any part of the pay period including the 12th of March, May, August, and November. Included are all persons on paid sick leave, paid holidays, and paid vacations during these pay periods. Officers of corporations are included, but proprietors and partners of unincorporated firms are not.

All employees is the sum of all employees during the pay periods including the 12th of March, May, August, and November, divided by 4.

Construction workers—Includes all workers up through the working foreman level directly engaged in construction operations, such as painters, carpenters, plumbers, and electricians. Included are journeymen, mechanics, apprentices, laborers, truck drivers and helpers, equipment

operators, and on-site record keepers and security guards. Supervisory employees above the working foreman level are excluded from this category but are included in the "other employees" category.

Other employees—Includes employees in executive, purchasing, accounting, personnel, professional, technical activities, and routine office functions. Also included are supervisory employees above the working foreman level.

Construction worker hours—Includes the total number of hours worked by construction workers. Construction worker hours were collected for each of the four quarters of 1987.

Payroll—Includes the gross earnings paid in the calendar year 1987 to all employees on the payroll of construction establishments. It includes all forms of compensation such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, prior to such deductions as employees' Social Security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of these establishments, if a corporation, but excludes payments to the proprietor or partners, if an unincorporated concern.

Employer costs for fringe benefits (supplemental labor costs)—Represents expenditures made by the employer during 1987 for legally required and voluntary fringe benefit programs for employees.

Legally required contributions—Include Social Security contributions, unemployment compensation, workman's compensation, and State temporary disability payments.

Voluntary payments—Include life insurance premiums, pension plans, insurance premiums on hospital and medical plans, welfare plans, and union negotiated benefits.

Dollar value of business done comprises the following detail:

Value of construction work done—Includes all value of construction work done during 1987 for construction work performed by general contractors, special trades contractors, subcontractors, and land development and improvement work. Included is new construction, additions and alterations or reconstruction, and maintenance and repair construction work. Also included is the value of any construction work done by the reporting establishments for themselves.

Builders were instructed to include the value of buildings and other structures built or being built for sale in 1987 but not sold. They were to include the costs of such construction plus normal profit. Also included is the cost of construction work done on buildings for rent or lease.

Establishments engaged in the sale and installation of such construction components as plumbing, heating, and central air conditioning supplies and equipment; lumber and building materials; paint, glass, and wallpaper; and electrical and wiring supplies, elevators or escalators, etc., were instructed to include both the value for the installation and the receipts covering the price of the items installed.

Excluded was the cost of industrial and other specialized machinery and equipment which are not an integral part of a structure.

Land receipts—Includes receipts from the sale of land, whether held for sale or sold in connection with the sale of houses and other structures. It excludes the value of any improvements made to the land prior to the sale. (That value was to be included in the value of construction work done.)

Other business receipts—Includes business receipts not reported as value of construction work done or land receipts. The item includes business receipts from retail and wholesale trade, rental of equipment, manufacturing, transportation, legal service, insurance, finance, rental of property and other real estate operations, and other nonconstruction activities. Receipts for separately definable architectural and engineering work for others are also included here.

Excluded was the value of construction work done and receipts from other business operations in foreign countries and non-operating income such as interest and dividends.

Net value of construction work—Derived for each establishment by subtracting the costs for construction work subcontracted to others from the value of construction work done. (For a further explanation see "Duplication in Value of Construction Work" section in the Introduction.)

Value added—Derived for each establishment, value added is equal to dollar value of business done, less costs for construction work subcontracted to others, and costs for materials, components, supplies and fuels. For SIC 6552 and SIC 1531, for which land receipts are significant, land receipts are also subtracted from dollar value of business done. (For a further explanation see "Duplication in Value of Construction Work" section in the Introduction.)

Selected costs—Represents the costs for materials, components, and supplies; costs for construction work subcontracted to others; and costs for selected power, fuels, and lubricants. Capital expenditures and rental costs for machinery, equipment, and structures are shown elsewhere.

Costs for materials, components, and supplies include:

- total costs to reporting establishments during 1987 for the purchase of all materials, components, and supplies, except fuels. (Supplies include expendable tools which are charged to current accounts.)
- freight and other direct charges should represent only amount paid after discounts, and the value of materials, components, and supplies obtained from other establishments of the respondent's company.
- costs for materials, components, and supplies used by the reporting establishments in the construction or reconstruction of buildings/structures for themselves which are chargeable to their fixed assets accounts, are included in this item as are costs for materials bought and resold to others.
- costs made for direct purchases of materials, components, and supplies even though the purchases were subsequently provided to subcontractors for their use.

Excluded from this item are:

- industrial and other specialized machinery and equipment, such as printing presses; computer systems; etc., which are not an integral part of a structure
- materials furnished to contractors by the owners of projects.

Costs for construction work subcontracted to others include:

- all costs during 1987 for construction work subcontracted out to other construction contractors.

Excluded from this item are:

- The costs to the reporting establishment for its purchases of materials, components, and supplies, provided to a subcontractor for his use. Such costs are reported under a separate category, "costs for materials, components, and supplies."
- costs for the rental of machinery or equipment.

Costs for selected power, fuels, and lubricants include:

- costs for fuels, lubricants, and electric energy purchased during the year from other companies, or received from other establishments of the company.
- costs for natural and manufactured gas, fuel oil, coal and coke products, etc.

Rental costs for machinery, equipment, and buildings—Includes all costs during 1987 for renting or leasing construction machinery and equipment, transportation equipment, production equipment, office equipment, furniture and fixtures, scaffolding, office space, and buildings. It

excludes costs for the rental of land. It also excludes costs under agreements which, in effect, are conditional sales contracts such as capital leases. Such costs are included in "capital expenditures."

Selected purchased services—Includes all costs during 1987 for communication services purchased from other companies or from other establishments of the company. It also includes the cost of all repairs made to structures and equipment by outside companies, or from other establishments of the same company. It includes only the cost of that repair necessary to maintain property and equipment. It excludes the cost of improvements that increase the value of property, or the cost of adapting it for another use. Such costs are included in "capital expenditures".

Assets and depreciation—Refers to the original cost of all fixed tangible assets such as buildings and other structures (offices, shops, etc.); stationary machinery (generators, shop equipment, etc.); mobile machinery (tractors, trucks, etc.); and other equipment (office furniture and fixtures, etc.). Not included are such items as current assets, depletable assets, intangible assets, and nondepreciable assets.

Data on assets and depreciation were collected separately for: (1) buildings and other structures, additions, and related facilities; and, (2) machinery and equipment.

Respondents were also asked to report capitalized expenditures, depreciation charges, and the gross value of assets sold, retired, scrapped, destroyed, etc., during 1987.

Capital expenditures—Refers to all costs actually incurred during 1987 which were or would be chargeable to the fixed assets accounts of the reporting establishments and which were of the type for which depreciation accounts are ordinarily maintained. These expenditures cover the acquisition, the construction, and the major alteration of the reporting establishment's own buildings and other structures, whether purchased, constructed under contract, or constructed by the reporting establishment's own forces; and the acquisition of machinery and equipment.

If leasing arrangements met the criteria set down by the Financial Accounting Standards Board (FASB) for a capital lease, respondents were instructed to report the original cost or market value of that equipment or building as a fixed asset and capital expenditure if acquired during 1987.

If capital expenditures were not recorded directly at the establishment level but handled centrally at the company or division level, respondents were requested to report appropriate estimates for the individual establishments.

Inventories—Includes all of the materials and supplies that are owned regardless of where they are held. Excludes materials which are owned by others, but held by the reporting establishment.

Builders who built on their own account for sale were requested to report work in progress and finished units not sold for buildings and other structures built for sale.

Inventories of multi-establishment companies were instructed to be reported by the establishment that is responsible for the inventories even if these inventories were held at a separate location.

Ownership of construction projects—This item shows the distribution of the value of construction work done by ownership of the project, that is, Government owned or privately owned. This classification relates to the ownership of the projects or work undertaken during the construction phase. Government owned projects are shown separately for Federal, and State and local governments.

Value of construction work subcontracted in from others—Includes the value of construction work during 1987 for work done by reporting establishments for other construction contractors or builders. Establishments were asked to report the approximate percent of total value of construction work accounted for by such work, and the percentages reported were applied to the reported value of construction work to develop a value for this item.

Types of construction—This item provides data by the types of buildings, structures, or other facilities being constructed or worked on by construction establishments in 1987. Respondents were instructed that each building, structure, or other facility should be classified in terms of its function. For example, a restaurant building was to be classified in the restaurant category whether it was designed as a commercial restaurant building or an auxiliary unit of an educational institution. If respondents worked on more than one type of building or structure in a multibuilding complex, they were instructed to report separately for each building or type of structure. If they worked on a building that had more than one purpose, i.e, office and residential, or commercial, they were to classify the building by major purpose.

In addition all respondents were requested to report the percentage of the value of construction work done for new construction, additions, alterations, or reconstruction, and maintenance and repair work for each of these types. See the definition of "Construction" for the meanings of these terms.

Building construction:

- **Single-family houses, detached**—Includes all residential buildings constructed for one family use.
- **Single-family houses, attached (include town-houses)**—Includes all residential buildings with two or more living quarters side by side, completely independent of one another, and separated by an unbroken wall from ground to roof.
- **Apartment buildings with two or more apartments**—Includes high-rise, low-rise, or any structures containing two or more housing units (excluding attached single-family houses and townhouses described above).
- **Hotels and motels**—Includes hotels, motels, and tourist cabins intended for transient accommodations.

- **Other residential buildings**—Includes dormitories, fraternity and sorority houses, nurses homes, and other nonhousekeeping residential structures.
- **Office buildings**—Includes all buildings which are used primarily for office space or for government administrative offices. Also included are banks or financial buildings which are three stories or more.
- **Other commercial buildings, such as stores, restaurants, and automobile service stations**—Includes all buildings which are intended for use primarily in the wholesale, retail, and service trades. For example, shopping centers, department stores, drug stores, restaurants, public garages, auto service stations, and one or two story bank or financial institutions.
- **Industrial buildings**—Includes all industrial buildings and plants which are used to house production and assembly activities. Heavy industrial facilities such as blast furnaces, petroleum refineries, chemical complexes, etc., are not included in this category, but under nonbuilding construction.
- **Warehouses**—Includes commercial warehouses, cold storage plants, grain elevators, mini-warehouses, and other such storage buildings.
- **Religious buildings**—Includes all buildings which are intended for religious services or functions, such as churches, synagogues, convents, monasteries, and seminaries.
- **Educational buildings**—Includes all buildings which are used directly in administrative and instructional activities, such as colleges, universities, elementary and secondary schools, correspondence, commercial, and trade schools. Libraries, museums, and art galleries, as well as laboratories which are not a part of a manufacturing establishment, are also included.
- **Hospitals and institutional buildings**—Includes all buildings which are intended to provide hospital and institutional care, such as clinics, infirmaries, sanitariums, nursing homes, homes for the aged, and orphanages.
- **Farm buildings, nonresidential**—Includes nonresidential farm buildings such as barns, poultry houses, implement sheds, and farm silos.
- **Amusement, social, and recreational buildings**—Includes buildings which are used primarily for entertainment, social and recreational activities, such as sports arenas, theaters, music halls, golf and country club buildings, skating rinks, bowling alleys, and indoor swimming pools.
- **Other nonresidential buildings**—Includes nonresidential buildings which are not classified elsewhere, such as fire stations, prisons, civic centers, bus and air passenger terminals and hangars.

Nonbuilding construction:

- **Highways, streets and related work, such as installation of guardrails, highway signs, etc.**—Includes streets, roads, alleys, sidewalks, curbs and gutters, culverts, right-of-way drainage, erosion control and lighting. Also includes earthwork protective structures when used in connection with road improvements.
- **Outdoor swimming pools**—Includes wading pools and reflecting pools.
- **Recreational facilities**—Includes athletic fields, golf courses, outdoor tennis courts, trails, and camps.
- **Bridges and elevated highways**—Includes viaducts and overpasses; roads, highways, railroads, and causeways built on structural supports.
- **Tunnels**—Includes highway, pedestrian, and railroad tunnels.
- **Railroad construction**—Includes the construction of railroad beds, tracks, freight yards, and signal towers.
- **Subway construction**—Includes urban mass transit subway systems above or below ground.
- **Dam and reservoir construction**—Includes hydroelectric, water supply, and flood control dams and reservoirs.
- **Marine construction**—Includes dredging, underwater rock removal, breakwaters, navigational channels, jetties, and locks.
- **Harbor and port facilities**—Includes docks, piers, and wharves.
- **Conservation and development construction**—Includes land reclamation, irrigation projects, drainage canals, levees, and flood control projects.
- **Power and communication transmission lines, towers, and related facilities**—Includes electric power lines, telephone and telegraph lines, fiber optic cables, cable television lines, television and radio towers, electric light and power facilities.
- **Power plants, except nuclear**—Includes electric and steam generating plants.
- **Power plants, nuclear**—Includes atomic energy plants, and nuclear reactors.
- **Sewers, sewerlines, and related facilities**—Includes sanitary and storm sewers, and related facilities.
- **Sewage treatment plants**—Includes sewage treatment and waste disposal plants.
- **Water mains and related facilities**—Includes water supply systems and related facilities.

- **Water treatment plants**—Includes water filtration and water softening plants.
- **Pipeline construction other than sewer or waterlines**—Includes pipelines for the transmission of gas, petroleum products, and liquefied gases.
- **Blast furnaces, petroleum refineries, chemical complexes, etc.**—Includes coke ovens, and mining appurtenances such as tipples and washeries.
- **Other nonbuilding construction**—Includes all types of nonbuilding construction, not included elsewhere.

APPENDIX B.

Standard Industrial Classification Titles for Industry Groups and Industries

SIC code	Industry titles	SIC code	Industry titles
15	BUILDING CONSTRUCTION—GENERAL CONTRACTORS AND OPERATIVE BUILDERS	17	CONSTRUCTION—SPECIAL TRADE CONTRACTORS—Con.
152	General Building Contractors—Residential Buildings	173	Electrical Work Special Trade Contractors
1521	General Contractors—Single-Family Houses	1731	Electrical Work Special Trade Contractors
1522	General Contractors—Residential Buildings, Other Than Single-Family	174	Masonry, Stone Work Tile Setting, and Plastering Special Trade Contractors
153	Operative Builders	1741	Masonry, Stone Setting, and Other Stone Work Special Trade Contractors
1531	Operative Builders	1742	Plastering, Drywall, Acoustical, and Insulation Work Special Trade Contractors
154	General Building Contractors—Nonresidential Buildings	1743	Terrazzo, Tile, Marble, and Mosaic Work Special Trade Contractors
1541	General Contractors—Industrial Buildings and Warehouses	175	Carpentry and Floor Work Special Trade Contractors
1542	General Contractors—Nonresidential Buildings, Other Than Industrial Buildings and Warehouses	1751	Carpentry Work Special Trade Contractors
1752		1752	Floor Laying and Other Floor Work Special Trade Contractors, Not Elsewhere Classified
16	HEAVY CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION—CONTRACTORS	176	Roofing, Siding, and Sheet Metal Work Special Trade Contractors
161	Highway and Street Construction, Except Elevated Highways	1761	Roofing, Siding, and Sheet Metal Work Special Trade Contractors
1611	Highway and Street Construction Contractors, Except Elevated Highways	177	Concrete Work Special Trade Contractors
162	Heavy Construction, Except Highway and Street Construction	1771	Concrete Work Special Trade Contractors
1622	Bridge, Tunnel, and Elevated Highway Construction Contractors	178	Water Well Drilling Special Trade Contractors
1623	Water, Sewer, Pipeline, and Communications and Powerline Construction	1781	Water Well Drilling Special Trade Contractors
1629	Heavy Construction, Not Elsewhere Classified	179	Miscellaneous Special Trade Contractors
17	CONSTRUCTION—SPECIAL TRADE CONTRACTORS	1791	Structural Steel Erection Special Trade Contractors
171	Plumbing, Heating, and Air-Conditioning Special Trade Contractors	1793	Glass and Glazing Work Special Trade Contractors
1711	Plumbing, Heating, and Air-Conditioning Special Trade Contractors	1794	Excavation Work Special Trade Contractors
1795		1795	Wrecking and Demolition Work Special Trade Contractors
172	Painting and Paper Hanging Special Trade Contractors	1796	Installation or Erection of Building Equipment, Special Trade Contractors, Not Elsewhere Classified
1721	Painting and Paper Hanging Special Trade Contractors	1799	Special Trade Contractors, Not Elsewhere Classified
		6552	LAND SUBDIVIDERS AND DEVELOPERS, EXCEPT CEMETERIES

APPENDIX C. **Geographic Divisions and States**

NEW ENGLAND STATES

Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

MIDDLE ATLANTIC STATES

New Jersey
New York
Pennsylvania

EAST NORTH CENTRAL STATES

Illinois
Indiana
Michigan
Ohio
Wisconsin

WEST NORTH CENTRAL STATES

Iowa
Kansas
Minnesota
Missouri
Nebraska
North Dakota
South Dakota

SOUTH ATLANTIC STATES

Delaware
District of Columbia
Florida
Georgia
Maryland

SOUTH ATLANTIC STATES—Con.

North Carolina
South Carolina
Virginia
West Virginia

EAST SOUTH CENTRAL STATES

Alabama
Kentucky
Mississippi
Tennessee

WEST SOUTH CENTRAL STATES

Arkansas
Louisiana
Oklahoma
Texas

MOUNTAIN STATES

Arizona
Colorado
Idaho
Montana
Nevada
New Mexico
Utah
Wyoming

PACIFIC STATES

Alaska
California
Hawaii
Oregon
Washington

PUBLICATION PROGRAM

1987 CENSUS OF CONSTRUCTION INDUSTRIES

The Census of Construction Industries is taken once every 5 years. The census covers all establishments engaged in construction, including:

- Building contractors
- Heavy construction contractors
- Special trade contractors (including plumbers, carpenters, painters, electricians)
- Land developers and subdividers

Data products in the Census of Construction Industries are issued in 4 publication series and in 3 other media:

- Printed reports [P]
- CD-ROM [C]
- Computer tape [T]
- Highlights online [+]

Preliminary Industry Series (CC87-I-1(P) through CC87-I-28(P))

(Available November 1988 through May 1989) [P]

Twenty-seven separate industry reports and a United States summary report, providing national statistics for establishments with payroll. Statistics shown for 1987 include:

- Number of establishments
- Number of employees
- Payroll
- Hours worked
- Value of construction work done, by type of structure
- Selected operating costs

Final Industry Series (CC87-I-1 through CC87-I-28)

(Available June 1989 through November 1989) [P] [C] [T] [+]

Twenty-seven separate industry reports and a United States summary report, providing statistics for the Nation and individual States on establishments with payroll. These reports update figures from the preliminary industry series (employment, payroll, value of construction, etc.) and provide measures of the following:

- Capital expenditures
- Inventories
- Industry profiles
- Assets
- Depreciation
- And much more

Geographic Area Series (CC87-A-1 through CC87-A-10)

(Available January 1990 through March 1990) [P] [C] [T] [+]

Nine reports on the construction industries, representing each census geographic division, and a United States summary report. Regional reports provide detailed data for States and metropolitan statistical areas.

Subject Report—Legal Form of Organization and Type of Operation (CC87-S-1)

(Available May 1990) [P]

One report providing selected national statistics for each industry by legal form of organization and type of operation. This report includes data for establishments with and without payroll. Data in this report include—

- Employment
- Payroll
- Value of construction work done
- Selected operating costs

OTHER ECONOMIC CENSUSES REPORTS

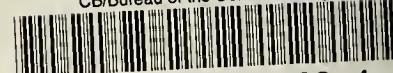
The Census of Construction Industries is part of the 1987 Economic Censuses. These are conducted at five-year intervals in years ending in 2 and 7 and consist of seven separate censuses:

- Census of Retail Trade
- Census of Wholesale Trade
- Census of Service Industries
- Census of Transportation
- Census of Manufactures
- Census of Mineral Industries
- Census of Construction

...plus several related programs: enterprise statistics; information on minority-owned and women-owned businesses; and the Census of Outlying Areas, including separate economic censuses of Puerto Rico and other outlying areas. The Census of Agriculture and Census of Governments are conducted separately.

HOW TO ORDER DATA PRODUCTS

Order forms for the specific reports and other data products may be obtained from Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, DC 20233. If you have any questions, call Census Customer Services 1-(301)-763-4100.



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Current Series Cumulative

1920 1930 1940 1950 1960 1970 1980 1990

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Not to be taken